

# ERICAN RAILROAD JO INTERNAL IM

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D. K. MINOR, EDITOR.]

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SATURDAY, MAY 10, 1834.

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### AMERICAN RAILROAD JOURNAL, &c.

NEW-YORK, MAY 10, 1834.

SURVEY OF THE NEW-YORK AND ERIE RAIL complete survey at the public expense of the proposed Railway from this city to Lake Erie, through the southern tier of counties, has become a law.

This is a measure of great public importance, and of peculiar interest to this city and to the southern tier of counties: and we design to give it a more extended notice in a subsequent number.

SLOOP CANAL.—Our friends in Oswego are between the Atlantic and our great inland seas. We publish to-day the report of a committee upon the project of a Sloop Canal from Lake Ontario to the Hudson.

Railroad is in contemplation, and will, no doubt, soon be commenced, from Columbus to Augusta. This will so connect the latter place Augusta. This will so connect the latter place with Charleston, that the communication between Charleston and Columbus will be made

Scaratary of the Territory, mense regions connected by the western laber

|| or 170 miles, in steamboats, it could be carried [impleaded, defending and being defended, in in 16 hours, making in all two days and twenty-b. one hours from Charleston to New-Orleans. To this add the time required by the steam-packets running between Charleston and New-York, (72 hours,) and the result shows that, with the aid of our Railroad, and that from Augusta to Columbus, to connect with the railroad already completed from Charleston to Augusta, the communication between New-York and New-Orleans would be made in five days and twenty-one hours.

To these facts, which ought to be impressed upon every mind, it is proper to add, that there is perhaps no country equal in extent in the Union, over which a railroad could be constructed at so small an expense as over the route from this place to Columbus. It is a level ridge throughout the whole distance, and the choicest timber for the construction of such a work is growing in the greatest abundance upon the very ground which the railroad would occupy.—[Pensacola Gazette.]

DELAWARE AND RARITAN CANAL.-On the ROAD ROUTE.—We are gratified to announce 28th, two boats, loaded with coal, from Mauch that the Bill which we formerly noticed as being before the Legislature of this State, directing a complete survey at the public expense of the Bordentown.

These are the first arrivals at Trenton from Mauch Chunk, by the canal. The feeder, we understand, is navigable to Lambertsville for boats. The main Canal is also navigate boats from Bordentown to Kingston; several boats from Trenton to with lumber have passed from Trenton to Princeton or Kingston this week, and a num-ber have come down the feeder loaded with stone for the new Penitentiary .- [Trenton State Gazette.

WISCONSIN PORTAGE CANAL.—By the followlooking forward to a more ready communication ing act of the Legislative Council of Michigan, it will be seen that a regular water communication is to be opened between Fox and Wisconsin rivers, or between Green Bay and the Mississippi at Prairie du Chien:

AN ACT TO INCORPORATE THE PORTAGE CANAL COMPANY.

SECTION I. Be it enacted by the Legisla-tive Council of the Territory of Michigan, That such persons as may hereafter become tween Charleston and Columbus will be made in 26 hours—allowing 12 from Charleston to Augusta, and 14 from Augusta to Columbus. From Columbus to Pensacola, 20 hours is a liberal allowance of time. From Pensacola to some suitable point on Mobile Bay, the mail could be carried in 7 hours over land in stages, and they are hereby declared to be, a body corporate and politic, under the name and style of "the scribed in the by-laws of said company. Sec. IV. The said directors may comporation they are hereby declared capable of sueing and being sued, answering and being sued, answering and being stockholders therein, shall be, and they are transferable in such manner as shall be prescribed in the by-laws of said company.

Sec. IV. The said directors may commence and continue the operations of said company, as soon as they may think the and thence to New-Orleans, a distance of 160 stockholders therein, shall be, and they are

all courts and places whatsoever, and in all manner of actions, suits, complaints, matters, and causes whatsoever: And the said company shall have continued succession for the term of twenty-five years, and may have a common seal, and change the same at pleasure, and shall be in law capable of purchasing, holding, and conveying any estate, real or personal, for the use of said corporation.
Sec. II. The capital stock of said com-

pany shall be fifty thousand dollars, to consist of one thousand shares of fifty dollars each; and books to receive subscriptions towards constituting said stock may be opened by each of the following persons: Daniel Whitney, Charles R. Brush, Daniel Jackson, John P. Arndt, Henry G. Soulard, Nathan Godell, and John Larre, who are hereby appointed the first directors, and are authorized to elect their president from their own number, and to conduct every opera-tion of said company until the first Monday is September next; and the subscriptions aforesaid shall continue open until the whole number of shares are subscribed; and if the subscriptions to the said capital stock shall on the first Monday in September next exceed the amount authorized by this section, it shall be the duty of the directors to meet and apportion the said stock among the subscribers thereto, in such manner that no person may have less than five shares if he subscribe for so many.

SEC. III. Five dollars on each share shall be paid at the time of subscribing to the said directors, and the balance in such instal-ments and at such times as the directors for the time being may require: Provided, that no instalment shall exceed ten dollars on each share; and previous notice shall be given whenever the payment of any instal-ment is required, by advertisement in a newspaper, printed three successive weeks, in the Territory or State in which the said canal is situated. The shares of the capital stock shall be deemed personal estate, and

given the hite honor required of any in

al election: Provided, the said directors &

fail to comply with any call or demand for the payment of any instalment, he or she tion after the annual election day. shall forfeit his or her shares, and any pre-vious payments made thereon; and it shall be lawful for the said company to make division of the surplus capital and net profits time, in such manner as the directors shall and remove at pleasure such sub-officers, see fit, or to employ the same in the purany other manner to dispose and use the same for the benefit of the stockholders therein: Provided, that nothing herein contained shall confer upon said company banking privileges.

SEC. VI. The said company shall within five years after the passage of this act con-struct and complete a canal to connect the waters of the Fox and Wisconsin rivers, at upon the demand of any person, on payment in whatever light it may be viewed, may just-or near the place known as the "Wisconsin of such toll or duty as the directors of said by be considered of the first importance, both ployed in the carrying trade on the said rivers, and properly secured at the extremities by guard-locks, or such other means as may be requisite to prevent the flowing, by means the other: Provided, that nothing in this act said company any privilege which might tend to impair the facilities which at present exist for the passage of boats and property on the said portage, but the same shall re-

had not passed.

SEC. VII. The election of directors shall take place annually the first Monday in September, and public notice thereof shall be posted up in three public places, or published in a paper printed in the county of Brown. for three weeks previous to the time of holding any such election. At the time and place appointed in said notice, the stockholders present, either in person or by proxy, shall proceed to elect by ballot seven directors, who shall hold their offices for one year, and until others are elected in their places, and are qualified. The said directors shall immediately on their election, or within ten days thereafter, take an oath, or affirmation, for the faithful discharge of their duties, and shall, by a majority of vote, select one of their number to be president; and the said president and directors may meet from time to time, at such places as they may find expedient, and shall have power to conduct by a majority all the concerns of said company, to make such by-laws, rules, and regulations, not repugnant to the laws of the United States, or of this Territory, as they shall deem necessary for the well ordering of the affairs of the said corporation, and in case of vacancy by death, or resignation, or otherwise, in the office of director, the annual election. The president and directors may appoint a president pro tem., to preside at said meetings, and to do all other acts that the said president might or could do.

SEC. VIII. In case any election shall not be held at the time when the same ought to have been held, the directors in office shall appoint another day for holding the same, iving the like notice required of any annual election: Provided, the said directors in

SEC. V. Whenever any stockholder shall foffice shall be incapable of transacting any other business except in regard to said elec-

SEC. IX. Five directors shall be a quorum to transact the business of said compapany, and any acts of the majority so met shall be binding upon the company; and the which shall accrue thereon from time to said directors shall have power to appoint agents, clerks, artists, and workmen, as shall

> SEC. X. The company shall have power to erect piers, wharves, warehouses, and other necessary buildings and improvements, in and about said canal for commercial pur-

poses.

SEC. XI. Said company shall be compelled at all times to allow the passage of any boat or water craft through said canal, Portage," in the counties of Brown and company may prescribed: Provided, that the Iowa, of sufficient depth and width to admit toll to be exacted for the passage thereof the passage of such craft as are usually em. shall never exceed five cents per hundred for any property which may be transported thereon, or forty cents per ton burthen for any boat or other craft which shall be admitted through said canal: Provided furof said canal, of either of said streams into ther, that the tonnage of no boat or other craft, which shall be admitted through said contained shall be so construed as to give to canal, shall be estimated at less than three tons burthen; and said directors are hereby authorized so to estimate all boats or water craft of less than three tons burthen, and to charge toll accordingly; but if more than main in as simple a manner as if this act one boat of less than three tons burthen the results of these works of internal improvetime, they shall be received until the lock is of the territory bordering upon the basin of the their tonnage shall actually exceed three

SEC. XII. The privileges granted by this act shall be vested in said company for the term of twenty-five years: Provided, that the said canal shall be completed on or before the ninth day of March, which will be in the year eighteen hundred and thirty-nine.

SEC. XIII. Said company may purchase any land, or lands, of the owners thereof, through which said canal may pass, but no part of this act shall be so construed to give any right to said company to occupy the land of any individual or individuals without first obtaining their consent.

SEC. XIV. The property of every individual vested in the said corporate funds shall be liable to be taken in execution for the payment of his or her just debts, in such manner as is or may be prescribed by law: Provided, that all debts due to said company shall be first paid and discharged.

Approved March 7, 1834.

Territory of Michigan, ss.

This shall certify to all whom it may conother directors in office may supply such va-cancy by a majority of votes until the next the original act, entitled "An Act to incor-



hereunto set my hand and affixed the Seal of the Territory, this 10th day of March, A. D. 1834.

STEVENS T. MASON, Secretary of the Territory.

LEGISLATURE OF NEW YORK. bly, April 14, 1834. Report of the Select Committee on the Petition of Inhabitants of the County of Oswego.

Mr. O. Robinson, from the select committee to whom was referred the petition of sundry inhabitants of the county of Oswego, praying for the passage of an act directing the exploration and survey of an improved navigation from Lake Ontario to the Hudson river, adapted to the tonnage of vessels navigating chase of any stock of any company incor-porated by the laws of the Territory, or in said company.

be necessary for executing the business of those waters, and proportioned to the capacity of the supply of water from the lakes, rivers, and streams which may be made tributary thereto, and for a plan and estimate of the cost of the same; and for a survey, plan, and estimate of an improved navigation of the same capacity of the Seneca river, to its communication with the Seneca and Cayuga lakes, and for a report thereof to the next Legislature,

REPORTED:

That the subject referred to the committee, to the enterprize and interest of the State of New-York. The citizens of this State have witnessed with high satisfaction the commencement, completion, and successful operation of the Erie canal, which has more than answered the expectations of its ardent and patriotic projectors. The value of property has been multiplied many fold; the arm of industry has converted the almost interminable regions of the forest in the western part of the State into fertile fields, enriching alike the hardy cultivator and the great commercial emporium of the State; cities and villages have arisen as if by enchantment, where, but for the Erie canal, would now have been a wilderness. Great and important have been shall be ready to pass said lock at the same ment, not only to this State, but to a portion full, and no more toll than for three tons bur-then shall be charged upon the whole, unless their tonnage shall controlly boutering upon the basin of the that the resources of western New-York are in commercial and agricultural enterprize beyond which she cannot and will not pass. The spirited and enterprizing citizens of that section of the State are now calling the atsection of the State are now calling the attention of the Legislature to the construction of a canal from Rochester, up the valley of the Genesee, to Olean on the Allegany, the distance of 96 miles. Another project of equal importance is now in contemplation to unite the fertile regions of the porth with the valley. the fertile regions of the north with the valley of the Mohawk, by means of a canal from Rome to the high falls of the Black river. Complete the Chenango canal and the improvements already commenced, double the locks upon the Eric canal east of Syracuse, construct those canals in contemplation, and your committee confidently predict, that in ten years the Erie canal will not be adequate to the business of our own State, and the products of the west will be forced to find an outlet to the Atlantic through some other channel.

Three great objects were primarily contemplated in constructing the Eric canal: Pirst, to furnish the citizens of this State with an easy and cheap conveyance of their surplus produce to market; second, to secure and preserve the trade of the west; third, revenue.

The first of these objects has been attained, and the attention of your committee has been principally directed to a consideration of the second. That to secure and preserve the trade second. That to secure and preserve the trade of the west is an object worthy the continued exertions and resources of the "empire State," cannot and will not be denied; that it is so secured may well be doubted. The importance of the western trade will be seen by a view of the vast extent of country bordering upon and surrounding the western lakes, a region of country more fertile and productive the sun in his course through heaven does not shine upon. If we glance an eye over the immense regions connected by the western lakes mense regions connected by the western lakes

DAVID CATE OF THE PERSON AND ADDRESS OF STREET

tions over its surface, what a vista through the darkness of time opens upon us! We see arts, science, industry and social happiness already increasing in those countries, beyond what the

territory. Michigan and Illinois, comparative-ly speaking, have furnished nothing for transcedented in the annals of our country, their rich productions will be put affoat and will find a market upon the shores of the Atlantic, through such channel as presents safety, cheap-ness and speed, and to the most advantageous market. The citizens of the west have witnessed the commencement, progress, comple-tion and effect of the splendid system of in-ternal improvements in this State, and are nobly imitating the example with an enterprize and zeal worthy their character. Already are the head waters of the Mississippi connected at different places with the great chain of western lakes, by means of canals and rail-roads. The channels of communication now opened, and which will hereafter be opened between the lakes and the interior, will be thronged with vehicles of transportation, conveying the rich fruits of the labors of millions free and happy people to flourishing cities and villages upon the shores of the lakes. whose population, wealth, and enterprize, will be equalled only by those upon the shores of the Atlantic.

The surplus productions of this extensive region will find their way to the Atlantic Natural communications possess facilities and advantages which artificial never will and never can. Lake and river navigation is being understood. Steam power has commercial Steam power has changed every thing. Twenty-three by-gone years have witnessed improvements in commercial facilities in our own State which have claimed the admiration and imitation of the world.

The lethargy under which the people of Canada have slumbered for the last century has been thrown off, and they are now fully awake to the importance of internal improvements. They are beginning to appreciate the natural water communications with which natural water communications with which nature has so bountifully supplied them. They have entered the lists and are nobly contending for a participation in, if not a monopoly of, the tich dowry of the western trade. Their enterprize has caused a communication to be opened around the Falls of Niagara, a distance of forty-one miles, by which vessels carrying 1,000 barrels of flour can go through without being lightened, at an expense of one cent per barrel, exclusive of tolls. The amount of business done upon this canal will be seen by

a public highway, and the Canadian route will be preferable by one-quarter in point of expense. The vast superiority in the great point of economy in transportation, effected upon natural water communication, admitting of navigation by large vessels or steamboats, above transportation upon canals and railroads, has been satisfactorily proved by experience on the Hudson the lakes and the great rience on the Hudson, the lakes, and the great rivers of the west. Even at the present re-duced rates of toll upon the Eric canal, river transportation has the advantage by more than 300 per cent. The charge upon the transportation of wheat, per bushel, from Troy to New-York, is three cents, while the same transportation for a like distance upon the canal cannot be effected for less than ten cents.

The importance of the western trade has

aroused a spirit of enterprize and competition in sister States. To participate in this trade, rival canals and railroads have been conrival canals and railroads have been con-structed in Pennsylvania, Maryland and Vir-ginia, and it cannot be denied that these are already diverting a part of that trade from its natural current towards the lakes and the Erie canal, and will no doubt continue to produce such diversion in a ratio regularly augmented in their progress to completion. It cannot be questioned that a great portion of the produce and merchandize going to and coming from the fertile countries at some distance south of the great chain of the lakes, and east and north of the tributary streams of the Mississippi, must find their way into Virginia, Mary and and Pennsylvania. To prevent this diversion, the tolls upon the Erie and Ohio canals have been very judiciously reduced during the present winter.

The State of Pennsylvania has already de-clared, through one of her Senators in Congress, (Mr. Wilkins,) during its present session, her determination "still to go on in the advancement of her great system of internal improvements. She would not stop short in her great works. No combination would have the business done upon this canal will be seen by reference to the fact, that 5,000 barrels of salt passed through during the last season, and had the requisite repairs been made; so as to have opened the canal with the commencement of leke navigation, the revenue would have amounted to more than 50,000 dollars.

The evil which the Canal Commissioners feared in 1812 now really exists. The produce designed for transportation upon the Upper Lakes is now let down to Lake Ontatio by means of this canal with facility, and for a trifling expense. The prediction of the Canal communication would not stop until she should not stop short in her great works. No combination would have the power to arrest her progress, until she should have the power to arrest her progress, until she should have the power to arrest her progress, until she should have the power to arrest her progress, until she should have the power to arrest fear of New-York of all the carrying the empire State of New-York of all the carrying trade of the west. To this great point Pennsylvania was rapidly advancing, and under the wise administration of her State Government, she would not stop short of its accomplishment. She was engaged in an accomplishment. She was engaged in an accomplishment she was engaged in an accomplishment she was engaged in an accomplishment she would not stop until she should information, your committee possess no correct trade, and she would not stop until she should information upon which to base an opinion,

and their tributary streams, if we regard the fertility of soil, the multiplicity of product, which characterize those regions, and if we combine these advantages afforded by nature with the moral energy of the free and active people who are spreading their increasing mil-people who are spreading the last winter it will annear obvious character before she will witness the consumduring the last winter, it will appear obvious character, before she will witness the consumitat they are not thus blind; that, on the conmation of the objects declared by the honorable trary, they duly appreciate the importance of Senator. Nature has interposed an insurthis trade, and that the greatest industry, acmountable barrier to the construction of canals most inflated fancy would have dared to hope, thirty or forty years ago.

As yet the commercial and agricultural resources of the west are not developed. These twin sisters of the wealth of nations are yet in their infancy. Owing to the rapid increase of population in Ohio, and the wild and uncultivated state of a portion of her territory, thirty, and talent, are employed in the attainment of further improvements on the most magnificent scale. Appropriations have already been made for the improvement of the twin sisters of the wealth of nations are yet in their infancy. Owing to the rapid increase of population in Ohio, and the wild and uncultivated state of a portion of her territory, this trade, and that the greatest industry, activity, and talent, are employed in the attainment of further improvements on the most magnificent scale. Appropriations have already been made for the improvement of the Pennsylvania does possess advantages over New-York cannot be concealed or denied. Their canal and railroads were in successful of March last, while our canals must remain closed by the frigid laws of nature, on an average of seasons, until the mother improvements on the most magnificent scale. Appropriations have already been made for the improvements of the New-York cannot be concealed or denied. Their canal and railroads were in successful of March last, while our canals must remain closed by the frigid laws of nature, on an average of seasons, until the middle of April. the surplus productions of her farmers have until recently been consumed within her own do, for steamboats, and Cleveland will be territory. Michigan and Illinois, comparative—within a sixty hours' ride of Montreal. When of March, in eleven days from Philadelphia, these improvements are completed, vessels of and before our canals are opened, will be de-300 tons can load at Chicago, at Cleveland, at livered at the Sault St. Marie or Chicago. It ly speaking, have furnished nothing for transportation; but when their exhaustless soil shall be cultivated and improved by the hardy and Detroit, at Oswego, and other ports on the industrious yeomanry of the north and east, lakes, and deliver their cargoes at foreign who are emigrating thither to a degree unpreports. When direct exportation has once such and expense; that merchandize can be delivered at the Sault St. Marie of Oncago. ceeded, direct importation will follow as a ed in fourteen days at Cincinnati from Philamatter of course. When the Welland canal delphia, while from New-York, by the Erie shall be completed, and the St. Lawrence imand Ohio canals, it will require from twenty proved, as designed, goods may be delivered at to twenty-five days, and frequently much cleveland from London for less than one-half what it now costs by the way of New-York and the Erie canal. Make the Erie canal the present season, will be \$1,80 per hundred, a public highway, and the Canadian route will while from New-York to Portsmouth on the

Ohio \$2.061.

That the trade of the west is of vast importance, and is becoming yearly more and more important to the commercial interests of this State, cannot admit of doubt; and that there is danger of its being diverted, or a portion of it at least, through other channels than the Erie canal, to the Atlantic, your committee think is equally apparent.

In the spirit of enterprize and rivalry with which our southern and northern neighbors are actuated, your committee see no cause for serious apprehension, jealousy, or alarm, because they believe it is within the power of this State to secure the trade of the west beyond

the reach of competition or rivalry. The remedy and only remedy which can be applied to secure to ourselves and posterity this rich inheritance of national wealth, is by opening a communication between the Hudson and lakes Ontario, Seneca, Cayuga and Onon-daga, of sufficient magnitude to admit the passage of the smaller class of steamboats, and of the ordinary vessels which navigate those waters. The advantage to be derived from such a communication must be apparent to all. It will combine safety, cheapne expedition, the three great considerations in commercial enterprize, and save the loss and expense attendant upon numerous trans-ship-

That such a communication is entirely practicable, your committee entertain no doubt. Whether the object can be better accomplished by improving the Mohawk river, Fish creek, and from thence into Onedia lake and down the outlet to Three River point, and thence down the Oswego river to Lake Ontario; or by enlarging the Eric canal and the Oneida lake side cut, and thence to Lake Ontario by the Oneida lake and river, and the Oswego river, your committee are unable to form an opinion, not possessing the requisite informa-tion. Upon the practicability and necessity of

transportation is difficult to be imagined, and much more difficult to be ascertained. Judging, however, of the future from the past and the present, we may safely come to the con-clusion, that ten years will not clapse, after The plan of the improvement we witness the same busy scenes upon its waters that we do now upon the Eric canal. Calculation, like our advance in numbers, outruns fancy. "Things which twenty years ago a man would have been laughed at for believing, we now see. At that time, the most are the intermediate spaces. The whole length of all these canals, (although in seven or eight different pieces,) does not exceed 31 miles and about 175 feet of lockage. This can be excepted for the intermediate spaces. This can be excepted for the improvements as projected along the St. Lawrence, is to make short canals and locks around the rapids, leaving the steamboat to navigate the river and lakes in all the intermediate spaces. The whole length of all these canals, (although in seven or eight about 175 feet of lockage. This can be excepted for the improvements as projected along the St. Lawrence, is to make short canals and locks around the rapids, leaving the steamboat to navigate the river and lakes in all the intermediate spaces. The whole length of all these canals, (although in seven or eight about 175 feet of lockage. This can be excepted. ardent mind, proceeding on established facts by the unerring rules of arithmetic, was obliged to drop the pen at results which imagination could not embrace."

cuted for about three millions dollars, and completed in three years from the time it is commenced, if they choose to do so.

That the Welland canal can and will be put

The Erie canal is but a carrying place be tween the Hudson and the great lakes. I bears about the same proportion to the amount of business which is done between those waters now, as the Great Western turnpike did twenty years since. Proportionably to the wants of the country it affords about the same

facilities.

Your committee here adopt with satisfaction, and in their opinion with particular pro-priety, the language of the Canal Commissioners, in their report before referred to. canal to the Oneida lake, or rather to a cer"The life of an individual is short. The tain point on Fish creek, where 8 feet water time is not distant when those who make this can be at all times carried to the lake; thence report will have passed away. But no term is fixed to the existence of a State, and the first wish of a patriot's heart is, that his own may be immortal. But whatever limit may have been assigned to New-York by those eternal decrees which established the heavens and the earth, it is hardly to be expected that she will be blotted from the lists of political societies before the effects here stated shall have been sensibly felt. And even when, by the flow of that perpetual stream which bears all human institutions away, our constitution shall be dissolved and our laws be lost, still the descendants of our children's children shall remain. The same mountains will stand, the same rivers run, new moral combinations will be formed on the old physical foundations, and the extended line of remote posterity, after a lapse of two thousand years, and the ravage repeated revolutions, when the record of history shall have been obliterated, and the tongue of tradition, the shadowy remembrance of ancient events into childish tales of miracle, this national work shall remain. It shall bear testimony to the genius, the learning, the industry and intelligence, of the present age."
It is unnecessary for your committee to dwell

on the advantages which the commerce of the fluence which must result from holding beyond the reach of rivalry and competition, a key to the commerce of our western world. They are known and will be duly appreciated by the commerce of our western world.

intelligent people of this State.

Deeply impressed with the importance of the subject, your committee are of opinion that speedy measures ought to be adopted to carry into effect the prayer of the petitioners. In pursuance of these views and opinions, your committee have prepared a bill, which they now ask leave to introduce.

DOCUMENT. Letter from Benjamin Wright, Esq.
New-York, April 1, 1884.

Dear Sir,—Your favor of 29th ult. is before me, and I will endeavor to give you all the in-

I have projected along the St. Lawrence, and The amount of revenue to be derived from ansportation is difficult to be imagined, and products of the soil, from all the Upper Lakes, can be carried to tide water a great deal cheaper by this route than they can ever be done by the

in good order, there is no doubt, as it appears by the measures adopted at the late session of their parliament, that they intend to make it a government work, and will no doubt do so next

The question now arises, what shall be done by the state of New-York to retain the trade of the Upper Lakes to her great commercial port, under all these views of the matter? I see no better plan than your memorial, adopted by the people of Utica, suggests, viz.: by a large canal to the Oneida lake, or rather to a certhrough the lake, and down the outlet to Three Rivers, and then down the Oswego river. And I see by your letter, that your views extend to branching off up the Seneca river, to Cayuga lake: this would be a very good addition to the whole project.

You ask me to give my views of the expense of such a work from Utica to the Oneida lake, upon the plan you propose, of 60 feet canal width and 8 feet depth, with locks he size of the Welland canal, which is 110 feet by 22 in the chamber.

As I know the country well, from having surveyed it, I see no point of extra expense in the canal, except in passing the Rome summit, and the plan of getting over Oriskany creek, Sedaque; these latter, I do not think, would present any very formidable obstacles to good engineers; but I have not sufficiently digested a plan of the project that would enable me to even approximate the expense. I know that you must look for water either from Fish creek. to the Rome summit, or from Black river The former would not be expensive, as I know, and have surveyed, a route where it may be brought easy and cheap.

This project would, if executed, enable ves

sels of 130 to 140\* tons, to navigate on the large rivers and lakes with sails, and on the canals

known by a regular survey, and such survey ought to be made by an engineer who knows the formation of the whole country and can

adapt his plan to a good and cheap work, and

overcome the various difficulties best. I have not said any thing about the competi-tion which is to be looked for from Pennsylvania, if she goes on to form a connection between her canal at Pittsburgh with the Ohio canal at Akron. This latter place is about 40 miles

triffing expense. The prediction of the Canal trade, and she would not step ustil she should take

Comparing, however, the estimates of Judge Wright in relation to the St. Lawrence canal, and estimates which have been made as to the expense of opening all the proposed channels of communication from Utica to Oneida lake, and from thence to Ontario, Onondaga, Cayuga and Seneca lakes, (which latter is estimated at less than \$900,000,) the cost will, when contrasted with the important results, be but trifling. gated earlier than our canals if they pay a little attention to management to clear the ice. That the project of making a canal of the size I have named from Utica to Oneida lake is feasible at an expense not alarming, is certainly true; indeed, with the exception of the difficulties at the summit and east of it, all the country is as favorable as you can wish or desire. That such canal will be able to transport much cheaper than the present canal, taking into consideration that such a large portion of distance between Oswego and Utica is natural waters, there can be no doubt; and that the time will soon arrive when we must expect competitors for that lake trade, is also certain; and in the race for this important object, it is of vital importance that we should have early and sound information on every point relating to this matter, so as to act promptly and definitively when we do act, cannot be doubted.

> If such a project was well executed so far as from Oswego to Utica, there is no doubt its advantages would be such as to show the propriety of conveying it on to some proper point of the Hudson, and then we should see whether we cannot compete successfully with any of our neighbors, north or south of us. The prize contending for is a grand one, and well worthy of the exertions of the state of New-York.

> Permit me to make one remark before I close as to the Oneida river, below Oneida lake. I have understood that some surveys have been made to estimate the expense of overcoming the three rapids in the 18 miles of this river between Oneida lake and Three River point. Let me say that great care is necessary, to prevent injury to the country, by dams, across this river, which I have heard is the plan pro-posed. There is a great extent of flat country along this river, and no dams ought to be made on any account. From a perfect knowledge of this river, and the country along it, I am decidedly of opinion that the improvements ought to be by short canals and locks. One at the outlet of the lake would be about one mile, one at Cockederoy a mile, and one at Oak Or-chard, say one mile, all the other parts of the river are, or may easily be made, 8 feet water, and this would do no injury to the

> I have suggested the above from my wish to see every improvement of this kind, when at-tempted, done right, and I know too well the evils to a country to have a pernicious plan of

such works adopted.

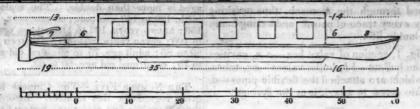
I am not perfectly satisfied with the size of the locks and canal as you proposed, I should prefer locks 24 and 26 feet wide and a canal not less than 75 to 80 feet on the surface. However, this is a future consideration, and when orders are given for the survey, the estimate can be made on as many different plans as shall be thought advisable.

With great respect and esteem, I am, dear sir, your obedient serv't, BENJ. WRIGHT.

JOSEPH E. BLOOMFIELD, Esq.

THE RAILROAD .- We learn with pleasure that the Tuscumbia, Courtland and Decatur Railroad Company has agreed that their road may form a link in the grand chain of internal improvement, by which it is contemplated to unite the Atlantic Ocean with the Mississippi river, at some convenient point above New-Orleans, what or need to more steenal.

eans of this canal with fanility,



specting the light gig-shaped boats lately intro-duced upon canals, I send you the following account of the Paisley canal passage-boats, from which account I think it will be seen that the skiffing, or rising to the surface of the water principle, so much insisted on by Mr. Mac-neill, has little to do with their quick rate of sailing.

Description of one of the Boats .- The length is 70 feet, width 6 feet, and 1 foot 10 inches is the depth. With ninety passengers, which is as many as a boat can conveniently take, the draught of water is 194 inches; when all the engers are out the draught is only inches. The rudder is 2 feet long and 20 inches deep, and its bottom is in a line with the under deep, and its bottom is in a line with the under side of the keel. The weight of the iron work is 17 cwt.; and the weight when the boat is finished is 33 cwt. The prefixed figure is a side view of one of the boats. The windows in front light the cabin, and those behind are for the steerage. The part at the bow marked 8 feet, is a deck for the passengers, and the part marked 6 feet, has seats round it. The 6 feet towards the stern is for the same purpose as the 6 feet feet in front, and the 7 feet is a deck on which the steersman stands; under each deck is a place for any light luggage. The keel is 35 feet long, the part in front (under the boat) marked 16 feet, and that behind, marked 19 feet, have no keel; this allows the boat to turn quicker. A line stretched from the highest point in the bow to the highest point in the stern, would rise about 6 inches above the low-est part of the gunnel. The depth of the keel is 5 inches; and this depth did not form part of as follows:

The Paisley Canal Passage-Boats. By James the measures given above, of the draught of Whitelaw. [From the London Mechanics' Magazine.]

Sir,—As your correspondents have been requested to forward to you information respecting the light gig-shaped boats lately introduced upon canals, I send you the following account of the Paisley canal passage-boats, wood laid inside of the boat, on which the wooden gunnel is fixed by means of square-headed screws. There are light ribs of wood laid inside of the boat, on which the floor-from which secount I think it will be seen that ing is nailed, and a broad stripe of wood runs between the seats and the windows, so high that the passengers may rest their backs upon it. The cotton oiled cloth, which covers the cabin and steerage, requires three very thin coats of boiled oil to make it water-tight, and it should be dried in the sun if possible : very light curved ribs, set about two feet apart, support the cloth overhead, and it is fixed to the frames of the windows, &c., at the sides of the A boat of this kind can be finished in a most comfortable style for £130. The cost of the iron-work is £70, and £60 will pay the joiner and other work of the boat.

The hooks (there is one on each side), on which the towing-line is fixed, are fastened to the gunnel of the boat at about 15 feet from the bow; the rope is put on one of these, when the boat is not very much loaded; but when there are a great many passengers, the rope is fixed about 3 feet 6 inches nearer the bow; this helps the boat round the turns on the canal. The shape of the hook is as represented in the following sketch, to prevent the rope, any time it slacks, from falling off.



As the Paisley canal is a very winding one,



a, is the end connected to the boat; b, is are charged 1s. in the cabin, and 9d. in the fixed to the one horse, and c, to the other. If the rope were longer than this, it would draw the boat against the side, at a quick bend on the The horse in front has blinders on it, and a boy rides on the one behind. The har-ness must be as light as possible. If the horses The harare run 12 miles a day, they keep in excellent order, but 16 miles per day is too much for them. The horses are changed every 4 miles.

Half blood horses, or a breed between half blood and full blood, answer best. The canal is 30 feet wide, except at the bridges, where it is only 11 feet, and there are two or three more contracted places on it, of considerable length. The average depth of the canal is 4 feet 6 inches. The sides of the canal are lined by a perpendicular wall, built of small stones, which goes 10 or 11 inches below the surface of the water, and as much above it. The distance from Glasgow to Paisley is 73 miles by the canal, and the distance from Glasgow to Johnstone is more than 11 miles The boats run the distance between Glasgow and Paisley in 50 minutes, and take in and put

The best speed for the Paisley canal boats is greater than 9 miles an hour; and this velocity occasions a very little and gradual swell, not more than 7 inches high on the canal; there is no wave whatever at or before the bow of the boat, and the water is lower than the surface of the canal just behind the bow; it then be-gins to rise, and the wave reaches it maximum elevation at about two-thirds of the length of the boat from its bow; at the stern the elevatien of the wave is nothing, and any ripple that follows the boat is occasioned by the action of the rudder to turn the boat. At the best velocity the horses have not a heavy pull; but when the boat is drawn so slow as 6 or 7 miles an hour, the strain on the towing-line is very great, and waves rise in front of the boat more than 18 inches high, and wash over the banks of the canal. On account of the boat's being so light, it may be brought from its maximum speed to a state of rest without raising a wave in front; and for the same reason it may be brought from a state of rest to its greatest speed before a very high wave has time to rise. and Paisley in 50 minutes, and take in and put out a good many passengers at different places speed before a very high wave has time to rise. At the bridges the wave at the side of the boat is run over in a time proportionably is rather more than 9 inches high when the boat short. The cabin fare is 9d., and the steerage is going at its best velocity; and when two of fare is 6d., from Glasgow to Paisley. When passengers go from Glasgow to Johnstone, they wave is not worse than this. When two boats last year.

Stuyvesant is another large and flourishing village, a few miles above Coxsackie, on the opposite side of the Hudson. The Stuyvesant the boats passengers go from Glasgow to Johnstone, they wave is not worse than this. When two boats last year.

oass, the horses of one of them stop just be they come opposite the horses of the o and a boatman takes the tow-line off its hook and holds it, in case it should come in contact with the bottom of the other boat, which is passing it at its full speed. As far as I know, no accident has happened since these boats have been put upon the canal, and the trade

has increased very much.

When the speed of the boat is low, the waves rise and get a great way ahead of it; if the ve-locity is increased to a certain extent, the boat keeps up to the wave ; and if it sail quicker still, the bow gets before the swell, which decreases in height as the velocity of the boat increases in the highest velocities, at least, that I have seen the boat brought up to. From this it would appear that the wave has a determinate velocity, like the undulations that cause sound —at any rate, it has a maximum velocity: and if the whole cause of the formation of the wave continues when the boat goes quicker than its motion, the wave will fall behind. Now there is a vacuum formed towards the stern of every vessel when it is sailing; this, together with the height at which the wave stands above the level of the canal, and the motion of the wave in the direction of the boat, will casse it (the wave) to fall in towards the stern of the vessel, and act on its inclined sides, giving back a great part of the power spent in its formation, if the vessel is properly formed. The water sent towards the sides of the canal by the inclination of the how, will be reflected from the perpendicular facing on the banks, and act in the same way. The lateral communication of the same way. The lateral communication of motion among particles going in different directions, may have a tendency to keep down the swell. If this explanation is correct, the boats must have their dimensions and form corresponding to the width of the carelland the sponding to the width of the canal, and the velocity they are to sail at.

As the boat rises on the wave, its bow is up or down, according as the wave is fore or aft, I am, Sir, yours, &c.

JAMES WHITLAW:

CANAL TOLLS .- Since the opening of the canals, the amount of tolls paid to the collector at Albany has averaged about fifteen hundred dollars per day, up to and including the 24th instant, and the receipts have been gradually increasing from day to day. On the dually increasing from day to day. On the 25th, the amount received was \$2,300, and probably about the same on Saturday, the 26th. The receipts at this place, thus far, although less than last year, are fully equal to the tolls for the corresponding period in 1832—notwithstanding the diminution of the receipts by a reduction in the rates of toll, since 1832, of about 35 per cent.

During the first week of navigation, there has been received for tolls at Geneva, the sum of \$3,159 44—and at Salina, the sum of \$6,583 70. These are the most conclusive indications that the real elements of our prosperity are unimpaired.

PRODUCE FROM COXSACKIE.—We are fearful we shall not have the pleasure of reporting so favorably of the present season.

Coxsackie Landing is one of the most flourishing villages on the Hudson. In addition to the sloops employed by the enterprising mer-chants of that place during the past year, 25 in number, two lines of tow-boats, two boats to each line, have been established there, and will be in operation early in the present season. The principal exports from that place are brick, lime, stone, wood, hay, &c. Some idea of its local trade may be formed from the fact that 15,000,000 brick, 17,000 casks lime, 473,430 feet flagging and paving stone, 5,600 tons hay, and 3,750 cords wood, were shipped during the

NEW INVENTED STOMACH PUMP-Description of a New Form of the Stomach Pump. By P. B. GODDARD, M. D., of Philadelphia. From the Journal of the Franklin Institute.]

This pump consists of two parts, one of which I shall call the valve box, the other is an ordinary syringe, of good construction, to which the valve box is screwed when in use

The valve box is a cylinder of metal, containing ovoidal or egg-shaped cavities, equally distant from the centre of the cylinder; at this point a pipe enters, which, when screwed on to the syringe, opens a communication between its cavity and these two cavities in the valve box. Near each end of the cylinder a short and slightly conical tube projects laterally, to which a flexible tube is to be fastened, and which causes a communication between the flexible tube and the cavity in the valve box. Each of these cavities contains a bullet accurately turned, so as to fit the orifices of the tubes, entering into it, and acting as a valve. It will be seen by reference to the accompanying cut (which is a section of the valve box) that if the valve box be held vertically, and the syringe screwed on it, the bullet in the upper cavity will fall upon the orifice of communication between it and the body of the syringe, whilst the bullet in the lower cavity will, in like manner, lie upon the orifice of the tube leading externally. If the lower tube be new immersed in water, and the piston of the syringe be drawn out, it will be evident that the body of the syringe will be filled with water from the lower tube. If now the piston be pressed home, the water will pass out of the upper tube; the bullet in the lower cavity preventing its escape there, just as the bullet in the upper one prevented the entrance of air before. It will then always pump water, or any other fluid, from the lower tube to the upper.

If the position of the valve box be now reversed, and the end which was above be placed below, the bullets will fall by their own gravity into the opposite ends of the cavities, and the instrument will act as it did before. viz. pumping from the lower orifice to the upper, although the relative position of the tubes has been reversed.

To use this instrument, the valve box mus be held in nearly a vertical direction. long flexible tube being passed into the stomach, is attached to one of the short conical tubes, say the upper, and a short tube leading to a basin is then fastened to the lower one. The basin being filled with warm water, and the syringe put in action, the water will pass into the stomach and dilute the poison. When enough has passed in, the syringe is to be turned in the hand, so as to bring the tube down which was before above, without taking off the flexible tubes, or changing them in any way, and the syringe again put into action. The water will be pumped out of the stomach, bringing the poison along with it.

The following are the chief advantages of this instrument. It is perfectly simple in its construction, and not liable to get out of

The directions for its use are easily under stood, and as easily remembered.

After the flexible tubes are once adjusted o alteration is required until the operation is

gallons of water may in a few minutes be passed through the stomach, thus washing away every trace of poison and saving many a valuable life.

Fig. 1, section of valve box—a a, cavities for the bullets—bb, bullet valves—cc, tubes to which are attached the flexible pipes—dfemale screw to attach it to the syringe

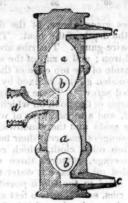
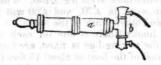


Fig. 2, the entire instrument--a, the sy b, the valve box.



Ericsson's Caloric Engine. By G. K. O. To the Editor of the Mechanics' Maga-

Sir,-After reading several times the description of Ericsson's Caloric Engine, contained in your February number, I am yet at a loss in regard to some things. As. suming, as the description does, that the air in the part of the engine represented black is under greater pressure than that in the white, but being of nearly the same temperature, it must be of greater density; for example, let the density of one be represented by 50, and that of the other by 100, that is, the quantity of air contained in any given portion of the black is twice that contained in a corresponding portion of the white part: suppose the temperature in the large cylinder is 480 degrees higher than that in the small one. Now, if 10 cubic feet of air of the density of 100 be admitted into that of 50, it will expand till it becomes of the same density as that into which it is admitted, and occupy nearly 20 cubic feet; and when reduced 480 degrees in temperature, will yet occupy 10 feet. While the large cylinder admits 10 feet of the density of 100, the small one takes out 5 feet of the density of 50, which, though expanded by the heat, would only fill 10 feet of the density of 50; but being admitted into the black part, where the pressure and density is 100, it will become of the same density, and, of course, occupy but 5 feet. If the case be as I have stated, the corresponding portions of the two bodies of air in the black and white parts will soon be brought to the same density by a few strokes of the engine, and (according to the description) the difference of density constitutes the motive power. Will you, or some of your correspondents, please explain this lifficulty. Yours, &c. G. K. O.

DR. MAJENDIE'S OBSERVATIONS RESPECTING

quency between that of the infant and the aged is more than double. birth, 130 to 140 a minute; at one year, 120 to 130; at two years, 102 to 110; three years, 90 to 100; seven years, 85 to 90; fourteen years. 80 to 85; adult age, 75 to 80; first old age, 65 to 75; confirmed old age, 60 to 65.

THE NUMBER FIVE .- The Chinese have a great regard for this number. According to them there are five elements—water, fire, me-tals, wood, earth; five perpetual virtues—goodness, justice, honesty, science, and truth; five tastes—sourness, sweetness, bitterness, aciditastes—sourness, sweetness, bitterness, acidity, and salt; five colors—azure, yellow, flesh-color, white, and black; they say there are five viscera—the liver, the heart, the lungs, the kidneys, and the stomach. They count five organs of the senses—ears, eyes, mouth, nose, and eyebrows. A Chinese author has written a curious dialogue between these senses. The mouth complains that the nose is not only too near, but above her; the nose in reply defends its position, by stating that but for it the mouth would eat stinking meats. The nose in turn complains of being below the eyes; they reply that but for them men would often break their noses.—[Le Lanterne Magique.]

CURIOUS ASTRONOMICAL THEORY .- We state the following on the authority of M. Arago, an eminent French astronomer: If we place in a horizontal line the series of figures of which the law is evident-

0 3 6 12 24 48 96 192 (each double the preceding,) and afterwards add 4 to each, we shall have a series denoting the relative distances of the Planets from the Sun, thus-

10 16 28 4 7 52 Mercury. Venus. Earth. Mars. \* Jupiter Saturn. Uranna If 10 represents the distance of the Earth, 4 will be that of Mercury, 7 Venus, 16 Mars, and 52, 100, and 196, the respective distances of Jupiter, Saturn, and Uranus. This law was known as far as 100, before the discovery of Uranus: and the distance being found to correspond, affords a very remarkable confirma-tion of its truth. But it will be observed there is a deficiency of one term between Mars and Jupiter. This led philosophers to suspect the existence of a planet at the distance required to fill up the vacancy; and in 1801, Piazzi, of Palermo, actually discovered one, whose orbit was between those of Mars and Jupiter, and nearly at the proportional distance of 28 from the Sun. This planet was named Ceres; and since that period three others have been found -Pallas, Juno, and Vesta-all of which have their orbits so near each other as to lead astronomers to believe that these are the fragments of a larger planet, which had been shattered into pieces by some internal explosion, or the shock of a comet.—[London paper.]

FAMILY ALBUM.—We were not long since informed of a practice observed in the family of an excellent widowed lady of this city, which must be of great utility to her children, and which we venture to recommend to the readers of our paper. A folio, if we mistake not, is provided as a place of deposit, into which each member of the family is required to put once a week a piece of written composition, upon any subject that may suggest itself to the mind of the writer. Saturday evening the budget is opened and each piece read, criticised, and amended, in the presence of the family. It is impossible to calculate the advantage to be decived from such a practice, by establishing in early life habits of investigation, and mental improvement. The mother who thus educates her children, may sanguinely anticipate a maturity of usefulness and respectability. Decrading profligacy and low vice can have little to tempt a mind thus early shielded by lessons alteration is required until the operation is

DR. MAJENDIE'S OBSERVATIONS RESPECTING of purity, domestic happiness, and pleasant ished.

THE PULSE Majendie has given a scale of fire side instruction. Give your children an When the instrument is once put in action, the pulse which shows that the difference in early love for books, refine their taste by

works of art, set them an example of religious for six blossoms in each, according to the size excellence, of correct manners, and endeavor to make the domestic hearth always attractive, and you bar up all the great avenues to immorality .- [Portland Courier.]

INGENIOUS CONTRIVANCE.-I wish, through the medium of the Centinel and Palladium, to notice a neat and economical improvement made by Mr. Currier, of this city, respecting bells for houses and hotels. Heretofore there we been separate bells for each apartment. These have been numbered to indicate the apartment where an attendant was wanted. In large establishments numerous bells are necessary, and these are costly, and sometimes not useful if the bell had ceased to sound before it was looked at. In the invention a single bell is sufficient for the largest hotel. The wire from each apartment, while it rings this common bell, communicates motion to a suspended ball over an appropriate number, and its long continued vibrations give, without fail, and without noise, the information that is desired. The expense is comparatively trifling.—[Boston Centinel.]

#### AGRICULTURE, &c.

SECURING A CROP OF FRUIT ON PEAR TREES. Take a pair of scissors (such as are used in thinning grapes), and go over the corymbs of flowers, or rather of flower-buds, as soon as they are sufficiently relongated to allow the points of the scissors to pass between them (that is, some days before the blossoms are

of the corymb; always preferring to leave the flowers which have the stoutest stalks, and those which are nearest the centre. This opening ration has the effect of diverting the sap to the flowers which remain, and gives them suffi-cient strength to set from one to three fruits in each umbel; which will prove a sufficient crop, and well repay the labor bestowed. Another mode, less tedious than the above, is also practised here, with success, on young trees. It consists in deferring that part of the pruning of them which is termed shortening the young wood, until the blossoms are in about the same state as is described in the above directions for thinning, and then shortening them back to the required length. This also checks the progress of the sap, and en-ables the tree to set fruit very freely. I am aware that my plan is a tedious one, and one that is almost impracticable on a large scale; but it is decidedly an excellent plan for dwarf trees in gardens, whether they are cultivated in the *quenouille* mode, against walls, or as espaliers; as these trees come within the reach of the hand, of a pair of steps, or of a ladder. In the hope that these remarks may, through your indulgence, avail my fellow-laborers in horticulture, at the coming season, I am, sir, yours, &c.

BERNARD SAUNDERS. Nursery, Island of Jersey, Dec. 6, 1833.

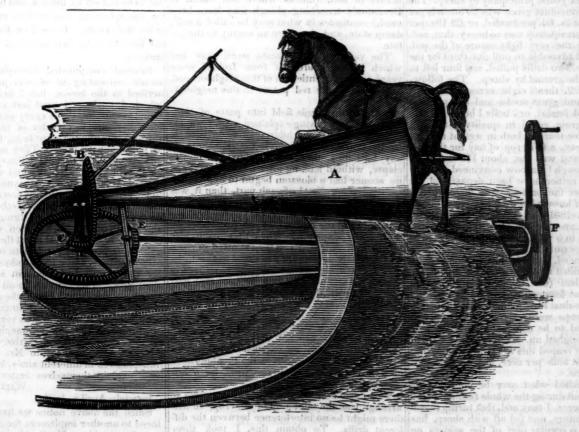
We recommend the above article to the particular attention of young gardeners. The system of disbudding advised in the preceding chat is, some days before the blossoms are expanded), and thin them; leaving only five Saunders, are applicable to all fruit trees, and, H. Huxley & Co., 81 Barclay street.]

if generally adopted, would insure important results. We know an instance of a large apple orchard, the property of a commercial gardener in Kent, in which a knife has never been used: every thing is effected by disbudding, and pinching out young wood with the finger and thumb. The proprietor is not a scientific gardener; and he adopted the above practice from no particular theory, but simply from his own observation and experience, to save labor, and to insure good crops of large fruit. We hope to see his orchard next summer, and to report on it.—[Loudon's Mag.]

UVEDALE'S ST. GERMAIN PEAR.-A fine specimen of this pear has been sent us by Dr. Hamilton of Plymouth: its dimensions are, " 131 inches for the transverse, and 161 inches for the longitudinal diameter; and its weight is 1 lb. 11½ oz. The tree from which these pears were gathered has, in former years, produced fruit of a considerably larger size, and in much greater abundance, than in the pre-sent season, and five years since a pear was gathered from it which weighed above 24 lbs. -William Hamilton. 15 Oxford Place, Plymouth, Nov. 14, 1833."

CARROTS FOR LIVE STOCK .- The Altrincham carrot, grown in rows 18 inches apart, and the carrots at the same distance from each other in the rows, the roots attaining the thickness of a man's thigh, and the length of three feet, with a vigorously growing top, for feeding cows or other cattle.—[Loudon's Magazine.]

[The seeds of these carrots are for sale by



Gardener's Magazine.]

This power is applicable to all purposes where speed is necessary, particularly to thrashing, grinding, turning, and sawing. Its superiority consists in the simplicity of the gear, only two wheels of 23 and 30 inches, with pinions of 9 and 6 inches, are necessary to get a speed of two to three hundred re-

Description and Drawing of Beecher's Porta-ble Horse Power. By the INVENTOR. [For the New-York Farmer and American face, it is not liable to break by sudden imtained by a revolving lever on a smooth surface, it is not liable to break by sudden impetus, or stoppage. It requires no frame or of the Railroad House, 98 Barclay street, building, but is simply fastened to the ground New-York. The right to territory may be or floor. The lever may be increased in obtained of the inventor at the above place. length without diminishing the speed. It Machines of one, two, three, or four horse may be removed and erected in three hours' power furnished to order at 60, 75, 90, and time. It can be placed in a back yard or 100 dollars.

ducing baries little interest to that of Mariell, A Brille, No. I, being those from which the large

cellar, and it makes no jarring in the building.

A portable cider mill and press to be seen as above.

ADVOCATE OF THE WALLERS OF THE OVER THE THE

MES

Report on the Value of Bone-Manure, in com parison with ordinary Farm-Yard Manure By the Honorable Captain W. Outly, Airlie

Mr. Watson, of Keilor, introduced the use of bone manure into Strathmore, having seen it used in England. I am not certain in what year he began to make experiments with it, or to employ it extensively, but I remember well that the great deficiency of farm-yard dung in 1827 (consequent on the almost total failure of the crop of the previous year) first induced me to try 4 acres of turnip without other manure, sown with 15 bushels of bone-dust per acre, which I obtained from Mr. Watson: it cost 3s. per bushel, or £2 5s. per acre. The crop of turnip on these four acres was at least equal to the rest raised with farm-yard manure; but as the whole of the turnips were pulled, and the land received some dung before the succeeding crop, much stress cannot be laid on the circumstance of the following white crop and grass

Next year, 1828, encouraged by the former successful experiment, eight acres were sown with turnip, solely with bone-dust; the soil a light sandy loam; the subsoil gravel and sand, coming in some places nearly to the surface, which is very irregular, but in general has a south exposure. This field had been broken up with a crop of oats in 1827, after having been depastured six years, principally by sheep. The quantity of bone-dust given was 20 bushels per acre, and cost 2s. 6d. per bushel, or £2 10s. per acre. The turnip-crop was so heavy, that, not-withstanding the very light nature of the soil, it was judged advisable to pull one-third for the feeding cattle, two drills pulled, and four left to be eaten on the ground by sheep. The follow-ing year, 1829, these eight acres were sown with barley and grass-seeds, and the produce was 57 bolls 1 bushel, or 7 bolls 1 bushel nearly per acre, of grain, equal in quality to the best in the Dundee market, both in weight and co-lor. Next year, a fair crop of hay for that de-scription of land was cut, about 150 stones an acre; and though I am now convinced that the field should rather have been depastured the first year, yet the pasture was better than it had ever been known before for the two following seasons, 1831 and 1832. It is worthy of remark, as a proof of the efficacy of the bone-manure, that in a small angle of this field, in which I had permitted a cottager to plant pota-toes, well dunged, and which, after their removal, was included in one of the flakings of the sheep, and had (one might have supposed) thereby had at least equal advantage with the adjacent bone-dust turnip-land, both the barley and grass crops were evidently inferior, and this continued to be observable until the field was again ploughed up. A very bulky crop of oats has been reaped this season, probably upwards of eight bolls per acre, but no part of it

is yet thrashed. Having detailed what may be considered a fair experiment during the whole rotation of the above eight acres, I may add, that turnip raised with bone manure, and fed off with sheep, has now become a regular part of the system on this farm; 15, 20, and, last year, 25 acres were fed off, and invariably with the same favorable results, with the prospect of being able to adopt a five-shift rotation, and to continue it without injury to the land. Every person in the least acquainted with the management of a farm, of which a considerable proportion consists of light, dry, sandy loam, at a distance from townmanure, must be aware of the importance of this, from knowing the expense at which such land was formerly kept in a fair state of cultivation; indeed, the prices of corn for some years past would not warrant the necessary outlay, and large tracts of land, capable of producing barley little inferior to that of Norfolk,

bone-dust have been given to the acre; the price this year was 3s per bushel, or £2 15s per acre.

[The honorary Silver Medal having been offered as a premium for the best account of experiments made, to ascertain what advantage may be derived from plucking off the flowers of the Potato, it was adjudged to the author of the following Report.]

Report of an Experimentimade at Aberdona, to ascertain the Benefit resulting from the Removal of Potato-Blossoms. By JAMES MUR.

The experiment was made according to the lan laid down by the Highland Society in their list of premiums for 1833.

The quality of the soil was not the best adapted for a very successful potato crop, but as I did not think of making the experiment until after the ground had been sown, I had no alternative left me. At the same time, I believe that an experiment of this nature, although made upon a crop raised in soil not peculiarly well adapted for its culture, will be quite as satisfactory in determining the advantages or disad-vantages of it, as one made upon a more con-genial soil. The soil consisted throughout the two acres upon which the potatoes had been sown, of a shallow loam, upon a bed of what is generally called till. The field had been well drained, but like every other field of the same nature of soil, (unless where Mr. Smith of Deanston's trenching plough may have been used,) continues in what may be called a cold, damp state, and therefore an enemy to the po-

The variety of the potato sown was one which had been brought from Ireland some years ago by a gentleman of this neighborhood, and is called the red potato in this neighbor-

I divided the whole field into parts of three drills each, and having explained what I wished to be done to a few children of from nine to twelve years old, previous to the appearance of any blossoms, they never allowed a day to elapse, without looking after their charge, and no sooner had a blossom begun to appear, (or in bud,) upon No. 1 of each part, than it was certain to be immediately plucked off. The other two drills of each part remained untouched until the blossoms upon No. 2 seemed to be fully expanded, when they were also plucked off, while No. 3 was allowed to ripen plucked off, while No. 3 was allowed to ripen its fruit. By arranging the drills in this man-ner, I could depend on being more correct in having the soil of each of the drills of each part exactly similar than I could have been, had I divided the field in the manner proposed by the ociety.

The preceding part of the experiment was (as it must appear to be) very simple indeed, and attended with no expense whatever, for there are always children in the neighborhood of a farm, who will do the work for a few

Pence n-day.

The most difficult part of the experiment to arrange was the taking up of the crop, so that there might be no interference between the different drills. To obtain this, I took three carts, one of which was appropriated entirely by No. 1 of each part, another by No. 2, and the remaining one by No. 3. In this manner prevented the very slightest mingling of the po-

The quantity of potatoes which each care held, was exactly ascertained, and the management of this part of the experiment being given to one person, it was his business to mark down how many loads each cart took to the potato-pit.

After the whole crop had been taken off the field, and the overseer's note-book examined, the following was the result:

Drills, No. 1, being those from which the lance.

blossoms were plucked when in full flower, contained 27 bolls 3 bushels.

Drills, No. 3, being those upon which the fruit was allowed to ripen, contained 26 bolls.

The superiority, therefore, of No. 1 over No. 2, was 2 bolls 5 bushels; over No. 3, was 4 bolls 3 bushels; and of No. 2 over No. 3, was 1 boll 2 bushels.

From the above experiment it would appear, that the potato crop had been improved by having the blossoms plucked off, and that ac-At the same time, the difference is perhaps not much more than would be counter-balanced by the additional trouble given in taking up the crops; for, although regulated as well as possibly could be done, still it could not be taken up in nearly the time in which it would have been done, had the drills been resorted to indiscriminately.

The quality of the potato is remarkably good, it is of a mealy nature, and an uncommonly good keeper. We were using them last year here, in preference to early potatoes. Aberdona, Alloa, November, 1833.—[Transactions of the Highland Society of Scotland.]

TRANSPLANTING IMPLEMENTS .- Many farmers and gardeners prefer transplanting some field and garden crops, for various reasons, particularly on account of the greater certainty and yield of the crops. Turnips, which are so liable to be cut off by insects, and by turkies, are, by transplanting, rendered as certain as most other field crops. In the New-England Farmer we find the subjoined notice of simple implements:

Several complicated transplanting instruments, consisting of several pieces, are described in the books, but I believe that one which I made and used last summer will be found to answer almost every purpose. It consists of a simple cylinder of tin plate, equal throughout, the top edge being turned over so as not to cut the hand. They may be made of any size, but the best for ordinary purposes are about 8 or 10 inches high, and 4 or 5 in diameter. It is placed over the young plant about to be removed, and pushed down a few inches into the soil, nearly or quite to the bottom of the roots; it is then taken up, bringing the earth and plant with it. Being then carried to the place where it is wished to set the plant, and the hole being previously made to receive it, it is set in the hole, and a few strokes from the digger on the outside loosens it, and leaves the plant erect in its place, with all the earth in a circular mass about it, when the transplanter is removed. The ease and neatness with which the operation is performed is very striking. A plant may be kept in the transplanter for several days uninjured, and carried to almost any distance. I have sent to Mr. Barrett three transplanters of different sizes, which will perexplain themselves better than my de-tion. WILLIAM OAKES. haps scription Ipswich, April 8, 1834.

Since the above notice we have been introluced to another implement for the same purpose, invented by a Mr. Smith, and which is for sale at the Boston Agricultural Warehouse. This machine is so fitted with a moveable slant. ng side, that the communication between the plant and the earth in which it grew, except a portion of soil attached to the roots, is cut off at the bottom as well as the sides, by which means, on withdrawing the implement, the extraction of the plant, and a quantity of attached soil in which it grew, is rendered certain.

Locusts .- According to the prevailing notion, these insects are to return this season, being the 17th year since their former appearAMERICAN RATEROAD FORENAL MADE

# ADVOCATE OF INTERNAL IMPROVEMENTS.

Silk Apparatus. By the EDITOR.

Among the pleasing objects to be seen in the picture of our country, which is to be drawn some ten or fifteen years hence, will be the creeping and voracious silk worm,pleasing, because the emblem of so much prosperity, and the source of so much earthly happiness. It will, in the language of the eye, say that the stony fields and the river bottoms of industrious New-England are inclosed by the bright-leaved mulberrythe blooming fair in the land of steady habits are plucking the leafy food, feeding myriads of nature's humble and hungry off-spring, and unwinding the glossy fibre that is to clothe and bring food to thousands and thousands of worthy families-that emulous New-York and Pennsylvania, and the youthful and vigorous West, are adding the important labors of the silk-worm to their already numerous and augmented resources, and that the generous and high-minded South, seeing that industry and enterprise avail more than murmurings in averting the evils of the tariff, are introducing this and other abundant sources of wealth, for which their climate, soil, and internal resources afford many facilities.

From all we have seen and learned, we cannot resist the conclusion that this country will rapidly progress in the manufacture of silk until its own wants are supplied, and perhaps until it finds itself in a condition to compete with other countries to supply the markets of the world. In the northern, middle, western, and southern States, extensive preparations are being made, not only for the growth of the mulberry, but for ma-nufacturing the silk, particularly in some of the New-England States. Of this progress

our future pages will give an account.

Messrs. Gay & Bottum, of Lisbon, Ct., recently exhibited in this city their apparatus for the manufacture of this article. It was kept in active operation, and consisted of a reel for winding the silk from the cocoon, a winding frame for winding it from the hanks on to spools, or bobbins, a twisting or throwsting machine for doubling and twisting it on to other bobbins, and two looms for weaving. The whole apparatus would occupy a space of twenty feet square, and was made principally of iron, and in the most durable and finished manner. We took down a few notes, which we lay before our readers in the order they were taken.

The reel, which is on the principle of that of G. B. Smith, of Baltimore, consists of a wooden frame, and wheels of polished iron and brass. It is a very compact and simple machine, doing the work in the most perfect The price of it is fifty dollars; and manner. Mr. Gay thinks the part on which the silk is wound should be made of metal, to preserve the fibres or threads of the same tension until they become dry. This makes the thread smooth, and less liable to be fritted in the wear. If made of wood, he says the moisture of the silk will cause that part in contact with it to swell and shrink, and thus injure the thread. We should suppose, however, that glass, or thin pieces of metal fastened on the wood, would answer every pur-pose, and enable him to manufacture them at near one third the price.

On the supposition that the apparatus is

Manufacture of Silk—Gay and Bottum's of raw silk for weaving, and one and a half pound; next, of fair quality, worth \$4.50; Silk Apparatus. By the Editor. or two pounds for sewing. For a hand reel, best, worth \$5 to \$5.50, when wound. or two pounds for sewing. For a hand reel, two females are required to do this quantity. One bushel of cocoons will make one and a rior to that of foreign countries, and will quarter pounds of merchantable raw silk, command a better price. Mr. Bottum has and two ounces of floss silk.

The diameter of the winding part of Mr. Gay's reel is not sufficiently large. The larger it is the faster can the silk be reeled. One of these reels will reel for a whole neighborhood, and enable silk growers to produce raw silk that will command from operations except that of weaving; and for \$4 to \$5.50 per pound.

The silk is taken from the reel and put on the winding frame, which winds, twists, and, if necessary, doubles the thread at the same operation. One female, on the above supposition that the apparatus is moved by American silk, at 10 per cent higher price. It is brigher, softer, and stronger, by 25 per pounds from thirty bobbins in a day. is for warp—a greater quantity for filling.

The spools are taken from the winding frame and put on the twisting or throwsting machine. One female will attend 30 to 50 spindles, producing about one and a half pounds of weaving silk, and two for sewing. After this operation the silk is cleaned by boiling in soap suds about two hours-20 lbs. of soap to 100 lbs. of silk. It is new colored, which is done in New-England principally with vegetable substances, almost enfirely of the growth of this country. The silk is superior to that of foreign countries, in the durability of both color and wear. An elderly lady of Lisbon, Ct. has a piece of American silk of lead color, which has been years; it is still unfaded and unchanged.

The next operation is weaving on a hand loom. A weaver, often a female, will produce per day five to six yards of thick vesting, or gros de Naples. Of thinner silks, six to ten yards can be woven. The specimens that we saw were very thick and strong, and were worth three dollars per yard.

Although silk has been manufactured in this country for more than fifty years, yet Mr. Bottum, who has given his attention to it for more cocoons were raised, there would be a better market, although they now command from three to three and a half dollars per one bushel for two dollars, if he hires all the labor. An orchard will let out for half or more of the cocoons produced. A gentleman in Hartford lets out his orchard for twothirds. One acre of the white mulberry will produce forty pounds of raw silk. Dr. Henry Holmes, of Hartford, says from fifty to a hundred pounds. Mr. Butler, of New-York, calculates the new Chinese mulberry, Morus multicaulis, will produce one hundred pounds. Mr. B. has 100,000 of these plants.

When the cocoons are first finished by the worms, they are put in shallow baskets, covered with paper, and dried in an oven mo-derately heated. When taken from the oven the baskets should remain covered until the cocoons become cool, and then they are spread to dry. If they are not immediately spun, they should be put in cotton bags, with a little tobacco sprinkled among them to keep out moths. keep out moths.

Cocoons before they are wound should be it is designed, one female will reel one pound sort, for sewing silk, will command \$4 per torily

American raw silk thus prepared is supe for two years past bought all American raw silk he could obtain. But on account of the scarcity of the article, he has been obliged to depend principally on imported silk to keep this cotton weavers will supply every de-mand. Much loss and much discouragement have been met with, by depending on This cent. The Italian is next best for softness

The whole apparatus exhibited by Messrs. Gay & Bottum is principally made of iron, finished in a superior style, and cost about \$1000. The greater part of it would last for a century. They will exhibit it in New-Haven, on the 15th of May, before the members of the Legislature of Connecticut. They intend also to exhibit it at the Fair of the American Institute in this city, in October next. As soon as it can conveniently be made, a reel will be exhibited at the Agricultural Warehouse, 81 Barclay street. The improvements in the machinery are the result of eighteen years of experiment and experience. Independent of the weaving part, or looms, two hands are required for lying about the house for more than twenty the moving power. Horse or other power will be requisite in producing work in facto-

> STRAWBERBIES IN FLORIDA.—Strawberries vere in the market at Tallahassee, Florida the month of March. New potatoes had also made their appearance.

THE FRENCH TREATY .- Some grave questions seem likely to arise from the rejection by the French Chamber of Deputies, of the appropriation to carry into effect their treaty of indemnity with us. Under thirty years, informs us that there are not it, French wines have been admitted for more than cocoons raised in the country sufficient to two years, we believe, into our ports at a reduced keep three hand looms in operation. If duty. Some duties, overcharged, have been refunded, and the whole course of this country has been shaped on the presumption that the treaty was valid, and of mutual obligation. The perfect good faith, bushel, of good quality. A farmer can raise therefore, with which we have acted in the matter, may be advantageously contrasted with-to say the least of it-the carelesaness and indifference of the French Government, as instanced by suffering, in the first place, the bill drawn by the Treasury of the United States for the first instalment, to be protested-then by omitting to submit the treaty to the Chambers till a period so late, in the session pres to this, that no action could be had on it-and fivelly by failing, on the present occasion, to support this measure of obvious justice, and now of admitted obligation, with the same strength, which a few days before in carrying an odious law-that for suppres ing associations—the Ministers exhibited. That law, in a house of 400, was carried by a ministerial vote of 246 to 154-whereas the ministerial vote for the treaty was only 168, a defection of seventy-eight members ! The rejecting, or anti-ministerial. two nations, 344 members only attended: This is a matter, which, under the circumstances, it will be moved with water or horse power, for which sorted into three qualities: poor, or first difficult for the French ministry to explain satisfac

# NEW-YORK AMERICAN.

MAY 3-MAY 10, 1834.

LITERARY NOTICES.

Prairie du Chien, Upper Mississippi, Feb. I had only been in Galena a few hours, when learns that a mail carrier was to start in the morning for Fort Crawford on the Upper Mississippi, and deed at once to accompany him, deferring an exmulon of the country around Galena till my return. It was about eleven o'clock of a fine, clear cold day, when my compagnon de royage, a bluffd, curly-pated fellow in a green blanket coa drove up to the door in a better sleigh than I had seen on any of the stage routes below, and wrapping myself up in a couple of buffalo robes and sundry blankets. I found myself, after ascending the rugged bluffs of Fever river, armed at all points to encounter the biting wind which swept the open plain beyond And there I may remark, that although the cold winds in this prairie country have a power that I had no idea of till I experienced it, yet the people dress so much more rationally than they do at the North on the seaboard, that health and even comfort are but little in vaded. I remember when first overtaken by the ld weather on the prairies, I was travelling with a simple furred wrapper as an overcoat and a pair of carpet socks over my boots; the last of which, from their clumsy and effeminate appearance, I long neg. their clumsy and effeminate appearance, I long neglected to put on. But on arriving one night at a lone-by shantee. I found an old Indian trader just disentumbering himself of his travelling gear, and the lesson has not been readily forgotten. His disrobing reminded me of the grave-digger in Hamlet with his ixteen jackets, (a stale joke by the by, which is now travely practised upon the stage)—and a man at arms of the fifteenth century, with his armour of plate and triple coat of twisted mail, was not cased in better press than was my Indian trader. Among the articles of dress that I recollect were a blanket coat over an ordinary surrout, a plaid closk upon that, and a les of dress that I recollect were a blanket cent over a ordinary surtout, a plaid cloak upon that, and a sufficience trumping the whole; while three pair of scelen socks, buckskin mocasins, and long boots of suffato skin with the fur inside, assisted his leggings of green baize in keeping his extremities warm; and hange hood and visor of fur set Jack Frost at definee, should be assail from above. I do not by any seems mention all these defences as constituting the undinary apparel of the country; for every one on the frontiers dresses just as the pleases, and whether has his blankets and skins made up into coats and he has his blanttets and skins made up into coats and ots, or wears them loose about his person, no one revails, and you may see the same person three ays in succession with a leather hunting shirt, a days in succession with a leather hunting snirt, a surfact of scarlet woolen, or a coat of superfine broadcloth, just from New York, all worn in any company, with the same air of independence; and, white several colors and tex ures frequently combine arms drags, the result is of course an outthe same dress, the result is of course an outpicturesqueness of costume upon the whole. wery figure whose apparel is most obnoxious to od taste as last enacted by fashion, heing often that, which, of all others, a painter would introduce into a landscape to relieve its colors, for some romantic charm of its own.

The country through which we now rode, though only interspersed here and there with woodland, presented a vary different appearance from the open prairie below. In the vicinity of Galena it was much broken by rocky ravines and deep gullies—which in the spring of the year must afford a ready passage for the water created by the malting of large bodies of snow—and far away toward the Mississippit the inequalities of the surface showed like a distant range of mountains, that on nearer approach resolved themselves into three or four distinct hills, which again on reaching their banks, proved to be only rocky mounds, of not more than 150 or 200 feet elevation—standing isolated on the vast plain like excressences, thrown up by some eruption from its surface. Beyond these again, the country became beautifully undulating, and when the warm light of unset glanced along the tall yellow grass which raised its tapering spears above the snowy surface, and the purple light of evening deepened in the scattered groves that rested on its bosom—it required no exercise of fancy to conceive that these were sloping lands, and smooth meadows, and open parks, which the gathering shades of night were stealing from the eye. But at last, just where the landscape was becoming almost too broken to keen up these associations.

of high cultivation, a distant light appeared glimmering at the bottom of a rocky valley, and slipping and floundering through the snow which partially smoothed the rugged descent, we entered a small hamlet of log huts, and drove up to the door of a frame building, which proved to be the public house of "Mineral Point."

A pertly Tennesseean of some six feet received us warmly at the door, and hurried me into a room where a large fire of bur oak, and a smoking supper of venison and hot corn cakes were alike welcomed. Half a dozen miners in leather shirts and belted coats of Kentucky jean were lounging about the establishment, while a tall backwoodsman in a fringed hunting frock, was stretched on several chairs, with a pipe in one hand, and the other resting on a Pelam aovel, which, with a volume of Shakspeare, an old bible, and the "Western Songster," formed a pyramid beneath his brawny arm. "Whirling Thunder," the Winnebago Chief, had, as I was informed, just left the establishment, or our party would have been perfect. The old fellow, who, I presume, is superannuated, had been breathing revenge and slaughter against the Sacs and Foxes, who, he says, have killed a number of his tribe, and he avows a determination to come down upon the enemy with 700 warriers, though I believe it is well know there are not at present 500 in his tribe, and they scattered far and wide on their hunting expeditions. As it was however, I found the company into which I was thrown, in more than one way agreeable. They were civil and intelligent; and when a segar was handed me by a well dressed gentleman engaged in the mines, who had set down to supper wi I stretched my legs before the fire, and soon felt my-self perfectly at home. The rumors of Indian wars, with the incidents in those already gone by being thoroughly discussed, feats of strength and activity were next introduced; whereat, a burly broad-shouldered fellow, with a head of hair like a boat's swab, jumped to his feet, and shaking the flaps of his rough kersey doublet like a pair of wings, he crowed and swore he could throw any man of his weight in the mines "Why, Bill Armstrong," cried a little old man, who I was assured was 78 while, "I could double up two such fellows as you in my time, and I think as it is (alowly rising and collaring the puissant Bill) I'll whip one of them now for a treat." They grappled at once, and Armstrong good naturedly allowing the old man to put him down a laugh was raised at his expense. But Bill was too much a cock of the walk to mind it, and striding up to the bar, he called out, "Come here old fellow and couldn't be beat by a fellow that had forty years the advantage of him."

The next day's sun found us, when a few hours high, in a country which, though not a house was to be seen for miles, I can only compare, with its intermingling of prairies and groves, rocky ravines and rapid brooks of sparkling water, to the appear-ance which the interior of the country along the Hudson would present, if the fences and farm houses were taken away. Its varied aspect was far more pleasing to my eye than the immense plains of table land below, where the sound of a water-fall is never to be heard, and a stone larger than a pebble is, (unless on the banks of the Illi-nois,) rarely met with. The soil, indeed, is not so rich, but the country is unquestionably more healthy; and though the climate is actually more severe in winter, yet the wind is so much broken by the nume. ous groves, and the general inequalities of the surface that one suffers much less from cold. A great error is committed by Government in keeping the land out of market, for the patches of woodland, though frequent, are not so dense as those below, and the number of smelting furnaces of lead ore, which are scattered over the whole country between Rock river and the Ouisconsin, tends to diminish them so rapidly, that in a dozen years hence, wood enough will hardly be left for the ordinary purposes of the farmer. Whatever measures are adopted, however and I believe there is a bill in relation to these lands, now pending in Congress—the pre-emption rights of the first settlers should be secured in the most liberal mer. Their sufferings from three Indian wars, and their endurance of every risque and privation, are almost incredible; and considering that it will take :hem some years now, to recover from the last affair of Black Hawk, I would have government give

where fuel is more abundant, and the timber now growing upon the spot left for the use of the farmers and the miners, to whom it is indispensable for the prosecution of their labors. Such will hardly be the case until a property in lands is established, and individuals be no longer permitted to sweep grove after grove from the soil, till the country begins to assimilate in some places to those leafless tracks in Himois, which will probably remain unsettled prairie for a century to come.

linois, which will probably remain unsettled prairie for a century to come.

I was particularly struck with the bold life which these miners have long led, the chief dangers of which, it is presumed, are now over—by observing a strong block house erected amony a cluster of small shantees where two brothers lived with whom we stopped to take some refreshment at noon. They were miners and farmers together; and carrying on their business remote from any other house or settlement, they probably sent the mineral and vegetable productions of their favored soil to market at Galena in the same car. They had struck the vein of ora which they were working in badger hunting—the habits of that animal being of great assistance to the miner in exploring for mineral. I saw at the same place a fine dog terribly gored by a wild boar—the descendant of the domestic hog, which rune wild in this region, and sometimes makes a good hunt.

Our rout hither, which was by no means direct, carried us through a broken savage country, where a thousand clear streams seemed to have their birth among the rocks—singing away—though the earth was wrapped

"In safe-consuming winter's drizzled snow."
as if the leaves of June quivered over their chrystal currents. At one time these crisped fountains were the only objects that gave life to a burned forest through which we rode, where the tall branchless and charred trees stood motionless on the steep hill-side, or lay in wild disorder, as they had tumbled from the rocky heights, into a ravine below. Emerging from this desolate region, where the tracks of bears and other wild animals were to be seen on every side, we launched out on one of the loveliest prairies I ever beheld. It was about a mile wide, and not more than four or five in length, and smooth as a billiard table, with two small islets of wood in the centre.—Our horses, which had seemed almost fagged out while slipping and stumbling among the rocks and fallen trees, in the timbered land—now pricked up their ears and snorted with animation, as they made our light sleigh skim over the smooth plain.

It was afternoon on the third day after leaving Galena, that on descending a steep bluff of about 150 feet, we come to a small tributary of the Quisconsin, winding through a narrow valley below.— Following down the slender rill, whose banks exhibited no shubbery, save a few dwarf willows, we crossed a wooded bottom, where the long grass a-mong the trees shot above the snow to the height of our horses shoulders, and reached at last the Ouisconsin, where the stream might be about a quarter of a mile wide. After trying the ice in several places with long poles, we ventured at last to cross; and scaling a bold bluff at the opposite side, paused a moment at a stone house, owned by a Frenchman, to let our horses blow. A band of Winnebagoes were standing at the door, and as they were all in mourning for some recently deceased relations, their broad blunt features, blackened as they were, made them look like Hottentots. A ride of six miles, through a high rolling prairie, interspersed with massive groves of oak, brought us at last in view of the bluffs of the upper Mississippi, rising in rocky the bluffs of the upper Mississippi, rising in rocky masses to the height of 4 or 500 feet above the bed of that beautiful river, whose iron bound banks and gentle crystalyne current, bear but little affinity to the marshy shores and turbid tide which are dis-tinguished by the same name, after the Missouri gives a new character to its waters. Never shall I forget the first view of "The Father of Rivers," as a reach of several miles shut in, partly by its own bluffs, and partly by those of the Ouisconsin, with its numerous islets, smiling in the light of the setting sus, looked like some comely lake of the West: girdled, apparently, by inaccessible cliffs on three sides, and keeping the edge of a broad meadow—which in its turn was bound and sheliered by ofty bluffs—on the fourth. That meadow lay now beath me, and it was Prairie Du Chien. II. lofty bluffs-

the purple light of evening deepened in the scatter of purple light of evening deepened in the scatter of groves that rested on its boson—it required no raise of fancy to conceive that these were along them several years credit; but the early sale of the lands, and open parks, which gathering shades of night were stealing from the But at last, just where the the landscape was beautiful at the subjects of these sermons. They are

it is designed, one female will real one pound bent, for sewing silk

practical. They come home to the business and Bo some of all. They are catholic, too, in their sentiments, and embrace all: they are free from controversial points; and finally, they seek not to explain, what finite understandings can neither comprehend nor clucidate, but leave to faith what belongs exclusively to the domain of faith.

These Sermons treat of the duties and obligation of social life, and were delivered some years ago to the congregation in Brattle Square, of which the Rev. Professor was then the Pastor. They discuss the duties of the young and the old, of the rich and ol the poor, of married life, and of the parental and filial relations. The style is clear, forcible, and polished, and the doctrines such as may be read without offence by all, and by many surely with profit. The book, too, is printed with the usual beauty and accu racy of the Boston press. We make an extract from Sermon X, on "the Duties of the Rich," as exhibiting fairly the manner of the writer:

It is well for us all, my friends to have cares. There is no one indeed who has them not, if he is disposed to see them; but for any one who is not so disposed, it is happy if there are those which will force themselves upon his attention. For serious cares of any kind make the mind serious, which so far is a great good. Without them it becomes light and giddy. There are persons, who constitutionally seem almost incapable of being led, in the wanton-ness of their prosperity, to do or wish ill to any human being; whose feelings towards others appear all to be feelings of a superficial, indeed, but as far as it goes, a genuine kindness; but for whom we see, that the wish which a true friendship would dictate, would be that they should have some of those 'changes,' for want of which they fear not God.' changes, for want of which They are the spoiled children of prosperity. There is is nothing substantial in their character. There is nothing deep in any of their feelings. The business of their lives is a wesk and capricious self-indulgence. The scriptures, which subject the human character to so rigid an analysis, are faithful in exposing this tendency. 'He gave them their request, and sent learness into their souls.' What a just as well as streng picture this, of the condition, in which a that dearth of all that is best in the mind and heart, with which we sometimes see it followed.—'The prosperity of fools shall destroy them.' How many the instances in which this sentence has been considered. luxuriance of outward blessings is contrasted with the instances in which this sentence has been executed; in which minds not absolutely ill disposed, nor le under other circumstances of blessing and being blessed, have been intoxicated and made merely giddy and frivolous by too much good fortune, as call it, and seduced away from every strenuous and honorable application of their powers.— In my prosperity I said, I shall never be moved.' How natural a boast for a mind inflated by abundance, and by the deference which it brings, and by the habit of seeing its own will a law; yet a boast how presump-tuous, an expectation how fallacious, a confidence how sadly ill-adapted to prepare for the changes waich time may bring. The very waywardness and which time may bring. The very waywardness and escentric humors, which such a feeling generates, are the occasion of more wants than any prosperity can supply; and the affluent circumstances, which to others seem adequate to obviate every wish, are but experienced by the possessor to increase their spirit of self discipline and improvement, as with Be not high-minded, but fear, says the apostle, using the self same expression with that in our text, and conveying a lesson the most needful to be observed by all who are intent on growth in grace. But how little consistent with this humble and sanctifying spirit of self distrust is that vain elation of the mind which we are now considering And what a stubborn and impracticable religious insensibility does it threaten to create. \*When thou shalt have eaten and be full, then beware lest thou forget the Lord.' This is an admonition, called for by well ascertained tendencies of human nature.— Jeshurun, when pampered, was restive and untract able; 'then he forsook God who made him, and lightly esteemed the rock of his salvation.' 'They were filled and their heart was exalted, therefore have they forgetten me? This is the history of many an envied, but unhappy man's experience; and if it would be going too far to infer that this kind of prosperity is therefore not to be desired, we st own that it is not every mind which has

Sive correspondence—by Samuel L. Knarr—1 vol. 8mo—pp 400—N. Y.—Connon & Cooke.

In a life, however long, devoted to acts of benevolence and to the improvement of the institutions of charity, of education, of punishment and of reformthere can hardly be found, or indeed expected, any of those stirring incidents which impart a zest to the biographies of men more ostensible on the stage of human affairs. It was therefore not without surprize that, on opening this volume, we found ourselves gradually carried on from page to page, till our interest became thoroughly excited in the modest records of this good man's life. The correspondence with Colqhoun, the famous police magistrate of London, and with other foreigners, well known in the annals o philanthropy, as well as with many distinguished men in our own country, gives both variety and interest to the narrative-which, as a whole, does credit to the taste and feeling of the author.

AIDS TO MENTAL DEVELOPMENT, or hints to parents with an address to Mothers, by a Lady of Philadelphia. 1 vol. 12mo. pp. 340. Philadelphia: Key 4 Riddle.—This is a reprint, with some modifications, to adapt it to our use, of an English book. The design is good, and we think generally well executed, though liable to the objection of making the children, who are interlecutors in the dialogue, talk too eleverly. This is of bad practical tendency, as discouraging many from persevering in the plans here recommended and illustrated, by ascertaining that their children fall so far short in the nature of their answers, and in quickness of comprehension, of those in the book.

The address to mothers, by the Philadelphia lady, embodies some excellent views on education, and on home is the only school.

THE CLASSICAL FAMILY LIBRARY, Vols. XI and XII. New York: HARPER & BROTHERS .- These two volumes in continuation of the Classical Library, furnish us with Virgil's Poems, the Eclogues translated by Wrangham, the Georgics by Sotheby, and the Æneid by Dryden. The dedication of Dry. den's translation to Lord Normanby is also given, and it is, as is well known, an admirable critique on the Æneid.

Praise or extracts for such works as these would be misplaced.

An Essayon new Trials by David Graham ounseilor at law.—I vol. 8mo—N. Y.—HALSTEAD & VOORHIES.

We can to-day only acknowledge the receipt of this well printed volume, treating a very important branch of law. We hope next Saturday to be able to speak of it, from careful examination.

CITY OF NEW YORK .- NEW YORK AND ITS VICINITY. -These are two very well executed little maps, colored, folded up and bound in morrocco-so as to be conveniently put in the pocket and carried about .-The maps are executed by D. H. Burr, and are pub. lished by J. DIST RUN L

THE NATIONAL PORTRAIT GALLERY, Part XI., by JAS. HERRING, of New York, and JAS. B. LONGACRE, of Philadelphia; N. York, Monson Banchoff.-This number presents us with engravings and biographies of Col. AARON OGDEN of New Jersey, of JAMES FENI, MORE COOPER, also a Jerseyman, as we find, though we had always before supposed him a native of this State, and of the Rev. TIMOTHY DWIGHT, of Connecticut. It is an excellent number, both in the execution of the engravings and the biographical sketches the latter of which, though prone, as is the nature of such notices, especially when applied to living men, to exaggerated estimates of merit, are quite interesting.

Companion to the Newspaper; London and New York, at WM, Jackson's, 71 Maiden lane.—This is

THE LIFE OF THOMAS EDDY comprising an extendia capital publication. It is a sort of catalog unce of the principal matters conta don weekly newspaper of great circulation and ali ty, the Spectator, and furnishes in a quarto volum of some 220 pages, materials of information, convenient for consultation or history, of the greatest a cessibility. Every public library at least, and private libraries of any extent, should take a copy of this publication, which is to be continued annu

Among the items of great interest in this volum for 1833, are the history of, and discussions con ing, the East India charter, the Bank of England, form in the law of real property, with a general retrospect of public events, &c.

An account of Jane C. Rider, the Springfield S nambulist, by L. W. Belden, M. D.—Springfield-G. & C. Merrian.—When we first heard the autra ordinary stories concerning the subject of this me moir, we were certainly among the incredulous. We bave now read with care and with interest, this ac count by Dr. Belden-the physician who saw her in her; first paroxysm, and followed up the case till a oure was effected and we can no longer refuse our faith to the truth of the facts related, nor our conviction that—however inexplicable and unexplained, as many of them still seem to us there was neither im posture on the part of the girl, nor collusion on the part of those around her.

The great distinction in the case of this young person from other extraordinary cases of somnambulism on record, was an incredible power of vision; and ingenious as we think Dr. Belden's attempt to explain this power, as the result of a diseased and thereby highly excited state of both the eye and brain, we are not satisfied with it. The idea that any conceivable increase of the sensibility of the rethe importance especially of that education of which tine, accompanied by any morbid change that can be imagined of the brain whereby its perceptive po ers should be excited to the utmost, can explain the fact of this girl's reading in a darkened room through thick bandages wadded with cotton and placed over her eye lids-the names of strangers so faintly written in pencil, or in such small letters, as to be scar ly legible to persons with all their faculties awakeseems as contrary to the ordinary course of things as the very fact, which it is meant to explain. We have nothing better. indeed, to offer in the way of solving the difficulty; and must, therefore, be es tent to believe by reason of the unimpeachable enidence in the case and to marvel.

> LIFE OF M A-KA-TAI-ME-HA-KIA-KIAK, OR BLACK HAWK; with an Account of the Cause and General History of the late Indian War, dictated by himself. 1 vol. Boston: RUSSELL, ODIORNE & METCALY. This is the first specimen, we believe, known to our literature, of a savage's auto-biography. It was dietated by Black Hawk, after his tour in the United States, to Antoine Leclair, the United States Interpreter to the Sacs and Foxes, who vouches for the care and fidelity with which it is rendered into English. It is dedicated by Black Hawk in the Es tongue, to General Atkinson, his conqueror. It refers the cause of the hostility of the Sacs against the Americans, to the fact of treaties surreptitiously made by them, with unauthorized agents of the Sec nation, which, when attempted to be carried into effect, were felt as grievous wrongs and outrages. We do not doubt if there were historians among the Indians, that such or similar would be the origin of most, if not of all, of what are called Indian wars, but which are, in fact, more predatory excursions to seize by force, the lands we covet and do not own.

The following notice of some of the most inter-

aveal ship tol - total was but fleshes

"Foreign Quarterly" and "Westminster" Reviews, has given notice that the republication will be discon tinued. The reasons assigned are the dissatisfaction produced throughout the Southern States jat the course of the Westminster Review during the last three quarters of 1833, on the subject of domestic slavery in this country, and the general pressure of

the times, which have produced a great falling off in

the circulation.

started on the next morning, with five hundred braves, to join the allied army, below Detroit.—
There was, soon after, a fight, in which, says the general "the Americans fought well, and drove us with considerable loss. I was surprised at this, as I had been told that they would not fight." The same success followed the attack of a fort, and Black Hawk became tired of his new service,—the "the success being so bad, and having got no plunder." He remarks, that "the Americans shot better Black Hawk became tired of his new service,—"the success being so bad, and having got no plunder." He remarks, that "the Americans shot better than the British, but are not so well provided for." In fact, our friend Bull always fights best with a bellyfull; but a Yankee is more puguacious when hungry. Having left the service, Black Hawk "humbled himself before the Great Spirit, and returned thanks for preservation through the war." He was never ferocious, and he has recorded, that he often spared the unwarned and helpless. When on an excursion sgainst the whites, to avenge the death of his adopted son, he spared those he came to kill.—"We had not proceeded far, before we met the man whom we supposed we had killed, as he was scalped, staggering like a drunkard, all covered with blood. This was the most terrible sight I had ever seen. I teld my comrade to kill him, to put him out of misery,—I could not look at him. I heard a rustling in the bushes, and distinctly saw two little boys concealing themselves. I thought of my own children, cealing themselves. I thought of my own children, and passed on without noticing them."

Black Hawk was ever a good dreamer. The Great Spirit, in a dream, gave him particular directions.

Great Spirit, in a dream, gave him particular direc-tions where to find a large snake, viz: down the bluff, at a creek, in the top of a hollow tree that had been cut down. The snake was to point out with his head, the direction of an enemy. These were two

American officers.

At a conference with American agents at St. ouis, Black Hawk and other chiefs, replied to the ommissioners, that "what they had said was a lie," and he seems to have been surprised that such a form of speech should excite resentment. "Here," said he, " for the first time I touched goose-quill to paper, not knowing, however, that by that act I con-sented to give away my village." Jack Cade was similarly taken in. "Some say," said he, "that it is the bee that stings; but I say it is the bee's wax; for I did but seal a bit of paper, and have not been my own man since.'
The loss of two

The loss of two children brought much sorrow upon Black Hawk. He built a secluded hut and re-duced himself to poverty. He blacked his face for two years; drank water in the middle of the day, and ate a little boiled corn at sunset. This he did hoping the Great Spirit would take pity on him; and, said he, "I never take a drink of water from a spring out being mindful of his goodness.'

But the treaty was to be executed, and the Indians were called upon to leave their village. As the chiefs did not admit that they had knowingly sold it, there was a difficulty in getting them away. Besides, said Black Hawk, "my reason teaches me that land cannot be sold; nething can be sold but such things as can be carried away." He was the "Village Hampden," and resisted all encroachments on his He resolved not to quit, and the Prophet assured him that he would not be removed. General Gaines, however, defeated the prediction, and Black Hawk "touched the goose-quill" to another treaty, and crossed the Mississippi.

and crossed the Mississippi.

But Black Hawk and the Prophet were making ready for war, and the "White Beaver" (General Atkinson) received a message, "If you wish to fight as, you may come on." The events of the war have been detailed in the newspapers. Pressed on all sides, vanquished but not humiliated, he gave himself up to his enemy like Weathersford, Themistocles, and Napsleon. He was carried to Washington, and visited other cities. He was astonished at the good trail which he found for his carriage—meaning od trail which he found for his carriage-meaning erland road : he saw many wigwams an villages, but could see nothing in the country to in-duce the people to live in it. The Railroad was yet more astonishing, though Black flawk preferred to more astonishin travel on hursel

travel on horseback.

The Great Father at Washington he supposes has seen as many winters as himself. "His wigwam is well furnished with every thing good and pretty."—At Washington, Black Hawk was well received by the people, and especially, as he says, by the squaws.

He was surprized at the size of Baltimere, and of the "big village where they make medals and money." A New York, te his utter astonishment, he saw a man ascend in a balloon till he was no longer visible: one of his young men asked if he was going to see the Great Spirit. "Every body," said he, "treated us with friendship. The squaws made us many handsome little presents. They were very kind, very good, and very pretty—for pale faces."

The intelligent correspondent of the New York American, who is now travelling in the far West, continues his interesting letters. We renew the hope, expressed some time ago, that these letters may be collected and preserved in a volume. They furnish more fresh and graphic sketches of Western scenery, and better illustrations of Western manners, than we remember ever to have seen any where else.

We may now say, we believe, with some confidence, that the desire repeated in the above paragraph from the Alexandria Phœnix, and which we may add has been manifested in various quarters, for the publication in a book, of the letters from the West of our correspondent H, will be complied with.

They will, it is expected, when completed, constitute a handsome volume, comprising much information in detail, statistics, prices of land, produce, &c., which was not deemed as well suited to the columns of a newspaper.

We have several letters now on hand, which lose nothing of their interest or freshness as they increase in number.

#### FOREIGN INTELLIGENCE.

LATE FROM EUROPE .- The ship Victoria, from Liverpool, brings us London papers to the 3d ult. inclusive, and Liverpool papers of the 4th. The accounts are not particularly interesting, and therefore, as we are much pressed for room, we do not make many extracts. Sir Thomas Denman has been made a Peer.

France.—The Ministers have succeeded in carry. ing their law on the subject of associations, nearly in the state in which they first proposed it,—all the amendments at all calculated either to medify its oppressive character or even to limit its duration having been rejected by large majorities. At the final de-bate, which took place on the 25th ult., M. Page spoke strongly against the measure, and in the course of his speech made the following solemn protest against it:

"If (said the Hon. Deputy) a Frenchman, an ho orable man, wishes to form a union to propagate, strengthen, or preserve Christianity-I am his man

in spite of your Ministers and your law.

"If a Frenchman, an honorable man, wishes to form a union, to extend charity and assistance to the poor and laboring classes, to the sick, or to the work-men out of employ—I am his man in spite of your Ministers and your law.

"If any Frenchman, an honorable man, wishes more extensively to diffuse acquired truth, doctrines, and the knowledge which appears for the morality of the future and the happiness of mankind -I am the man, in spite of your Ministers and your law

"If any Frenchman, an honorable man, wishes to ecure to his country the safeguard of electoral independence, and oppose those disgraceful elections, which deliver political venality up to Ministerial corruption—I will be with him, in spite of your Ministerial corruption—I will be with him, in spite of your Ministerial corruption—I will be with him, in spite of your Ministerial corr ters and your law

"The slave of all just laws, the enemy of all un-just laws, between the prosecutors and their victims I will not hesitate. I know no human power which can make me apostatize from God, humanity and France. I will disobey your law, to obey my conscience."

On the division, the numbers were for the bill. 246,—against it 154,—majority 92. Several of the societies in the provinces have already protested against the law, and announced their determination to disobey it. Some of the most distinguished members of the Societ's des droits de Phomme have deem. ed it expedient to quit Paris. The veteran patriot, Lafayette, has delivered the following written protest against the measure:

"The new and progressive attack on our July re-

The publisher of the American edition of the volution has been so completely manifested on both volution has been so completely manifested on both sides in the debates that my forced absence from the Chamber is a subject of regret for myself alone. I could, nevertheless, have certified to the heirs of 89 and 1830 that, even under the ancient regime, such an interdiction, subject to the good pleasure of the police of Sartines and Lenoir, would have excited astonishment and indignation, even in the Salogne of the police of the police of sartines and Lenoir, would have excited astonishment and indignation even in the Salogne of the police Versailles. I now confine myself to adding my ,ersonal protest to the numerous votes of my honorable sonal protest to the numerous voices of my noncolleagues against this anti-social consequence of a system, the origin and tendency of which I pointed out long ago. "Paris, 26th March, 1834.

(Signed) "LAPAYETTE." out long ago. (Signed)

The Tribune has the following :- The Union de Juillet held a general meeting yesterday, under the presidency of General Lafayette, when they entered a protest against the Associations' Bill, and pledged themselves not to submit to it! Without making public things which concern the society alone, we say that more than one deputy was present at the meeting, and that M. Laffitte was not the least energetic in recommending resistance."

SPAIN.

BAYONNE, March 25 .- Quesada has at last received instructions to commence operations, and this even-ing we learn that his division is already on its march, but the in-urgents, as soon as they got intimation of it, immediately put themselves in motion, and are proceeding towards our frontiers. At Elisondo the proceeding towards our frontiers. At Elisondo the municipal authorities were seized with panic, as well as the workmen who were making uniforms for the Carlists, who all took flight towards Balcarles, and spread alarm throughout the country. Numerous persons are emigrating from the country, and the place is full of persons who have fled thither, conceiving themselves in danger by the proclamation of Quesada.

The following is an extract of the Bolatin do Co mercio, respecting the convocation of the Cortes, and which it states, is obtained from quarters which are

usually well informed—
There will be two Chambers, one styled ' Processes del Reyno,' (Peers of the realm) and the other, 'Procuradores del Reyno' (Deputies of the kingdom).—
The Chamber of Peers will be composed of the Archbisheps and Grandees of Spain and Castile, Generals who have distinguished themselves, Magistrates, Landed Proprietors, Principals of Manufactories and Commercial Establishments, Directors of Public Instruction, and those who have rendered service to the country. The sittings will be public, and the dignity of the Peerage conferred for life. The Chamber of Deputies will be composed of persons freely elected, who have an income of 12,000 reals, and have attained the age of 30. del Reyno,' (Peers of the realm) and the other, ' Pro. and have attained the age of 30.

Government servants, lawyers, physicians, clerks of the supreme tribunal, and surgeons, may be elected Deputies, when possessing only half the above

nentioned income.

Every elector must be possessed of an income of 6000 reals. The population of the places will be the basis on which the number of members to be returned will be decided, whe will be elected for three years. The Cortes will vote the taxes. The King will have the power of convoking, provoquing, and dissolving the Cortes; but he must convoke another for at least a year. At the death of the King the Cortes will as-semble, that the heir to the throne may swear to pretect the laws. The Cortes will also meet on any extraordinary occasion.

The Indicator of Bordeaux of the 27th inst. has the following of the 25th from Bayonne:—"The faction of Biscay is entirely dispersed, but the vexations of the inhuman Zabala are not at an end. It is said that Gen. Espartero, in consequence of arrests made by Zabala at Legneitic, has taken several of the Carlist inhabitants of the same town as he In consequence of the entry of the insurgents in to Vitteria, the Queen's troops made 52 prisoners, including 7 officers, who were shot, as well as a man who fired at a conscript from his window, by order of Gen Osma." It has the following from Madrid, dated the 19th inst:—By a Royal decree, the Queen has named Patriarch of the Indies Don Manuel Frayle, Bishop of Siguenza. By another decree Don Jose Maria Manesca has been named President of the Royal Court at Madrid. Don Pedro Velleli is named Corregidor of Madrid. Major-General Miguel Tason has been appointed a Lt General, and Capt. General of the Isle of Cuba."

It is said the King of Holland has refused the pardon for which Polant prayed in his petition, or to grant any mitigation of the sentence pronounced on him for stealing the Princess of Orange's jewels [Times.]

By the packet ship United States, Capt. Holdredge, from Liverpool, we have Liverpool papers of the 8th, and London of the 7th April. It will be seen that a new French Ministry has been formed.

[From Bell's Weekly Messenger, April 6.]

The foreign intelligence of the week, so far as it relates to France, is not without interest. The American Indemnity Bill was rejected in the Chamber of Depaties on Wednesday by a majority of 176 to 168. Two of the Ministers, the Duke de Broglie and General Sobastiani, spoke at great length and with much to whemence in its support, and all the Ministers voted for it. But it was rejected by a majority of eight in a very full Chamber, much, very much, to their credit.

The Duke de Broglie and General Schmitter of Foreign Affairs in the room of the Duke de Broglie.

Vice-Admiral Baron Roussin, Ambassador at Constantinople, is named Minister of the Marine in the room of Admiral de Rigny, who, however, will continue to exercise the functions of his late office till the arrival of Admiral Roussin.

M. Martin du Nord, Deputy, and Advocate General of the Court of Cassation, is appointed Procureur General of the Royal Court in the room of M. Persil. It will be seen, therefore, that the Ministers who retain their previous offices are Marshal Soult, President of the Council and Minister of War; M. Humann, Minister of Finance; and M. Guizot, Minister of Public Instruction.

"The Sultan has," says the London Spectator of 29th March, "replied to Lord Ponsophy's interpretation.

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The Duke de Broglie and General Sebastiani im mediately tendered their resignations. M. Guizot shortly after followed their example, and it was expected that M. Huwann, the Minister of Finance, would also resign. The Cabinet is thus broken up. An attempt will be made to induce the Duke de Broglie to remain, but it is supposed that it will not be successful.

The consequences of the change of ministry in France at the present moment, says an able contemporary, may be of the utmost importance. It will be clearly impossible to carry the associations' law into clearly impossible to carry the associations' law into present temper of France, especially on the eve of a general election. Who are to be the successors of

the resigned ministers is not yet fixed.

[From the London Times, of 7th April.]
We have waited with some anxiety, or at least with much interest, to learn the new cast of the French Ministry, the completies of which appears in the Meniteur of Saturday.

It was scarcely possible to conceive that the Duke de Broglie could resume his portfolio; after his resignation of office had been recorded in the Meniteur, and in the face of a vote of the Chamber of Deputies, which, though perhaps now repented of. Deputies, which, though perhaps now repented of, could not be reversed. But it is not easy to imagine how he alone should have been expected to resign, since the treaty which he defended so ably in the Chamber was made in the time of his predecessor and must have had the sanction of the whole of his colleagues, as well as his own. However that may be, his place is not yet adequately filled, and cannot perhaps be so worthily occupied by any French candidate for the Fereign office.

If, however, the French public has to regret the

change in the Foreign Department, which has depri-ved them of the zeal and talents of de Broglie, some of the other appointments in the new Cabinet will appear still more objectionable. If there be one man in France more unpopular than the late Minister of Justice, Barthe, it is M. Persil, who is nominated his successor. The continued assaults of the latter upon the press, and the desire which he has shown the the representation of juries, will reake his an apon the press, and the desire which he has shown to alter the constitution of juries, will make his appointment appear the result of a contempt for public opinion, rather than a compliance with the dictates of a moderate policy. The transference of M. Thiers from the Board of Trade to the Ministry of the Interior is an event of no consequence; but surely M. D'Argout must have thought himself the victim of an intrigue in being obliged to exchange the honors and emoluments of the Minister for the place of the President to a banking establishment.

We quote the abstract of the new appointments from the Moniteur, premising that the modifications of the Cabinet are said by the French journals of Saturday not to have been completed till Friday e

of the Cabinet are said by the French journals of Saturday not to have been completed till Friday evening. The official journal promulgates Royal ordinances, by which M. Persil, Deputy, Procureur-General of the Royal Court, is appointed Keeper of the Seals, and Minister of Justice and of Worship, in the room of M. Barthe, who is created a Peer of France, and made First President of the Court of Accounts, in the room of M. Barbe Marbois, who resigns, but who is invested with the dignity of Honorary First President of the Court of Accounts.

norary First President of the Court of Accounts.

M. Thiers, Deputy, Minister of Commerce and Public Works, is appointed Minister of the Interior in the room of Count D'Argout, who is made Governor of the Bank of France in the place of the Duke

tenevas; Orange Bank, occurry of Lis three days; search we obste and

29th March, "replied to Lord Ponsonby's interrogations respecting his famous treaty with Russia, in the most firm and haughty tone. He has made up his mind to keep his engagements with the Czar, in spite of the hatred which his subjects bear to the Russian alliance. The Times correspondent at the Porte says-

"The Russian fleet, with 25,000 men on board, is waiting at Sebastapol for sailing orders: considerable bodies of troops are advancing in the direction of the Danube; and by a late ukase, the 60,000 men raised in Moldavia and Wallachia have, though Turkish subjects, been incorporated in the Russian army."

" Excepting Lord Palmersten, no one, we imagine, places any confidence in the pacific professions of Russia. These warlike preparations give the lie to all such palaver."

A letter from Constantinople, dated the 4th ult., the statements in which, if founded in truth, seem greatly exaggeraged, has the following: "It is certain that the steam packet which recently conveyed Halil Pacha to the Dardanelles had a detachment of artillerymen on board; it is also certain that the fleet artillerymen en board; it is also certain that the fleet and Turkish army are recruiting with extraordinary activity, and that Russia has just levied troops in Meldavia snd Wallachia. By what right? All that we know is, that the Russian fleet stationed in the port Sebastopol is ready to set sail, at the first signal, for Constantinople; that Nicholas has sent to Achmet Pacha 1,000,000 of ducats, proceeding from the debt of Turkey to Russia; that he has granted the Sultan eight years to pay off his debt; that a serious revolt, the instigators of which are unknown, had broken out in Bagdad, and in Kurdistan, and that the Porte has been obliged to send an imposing force there; that Constantinople is in a deplorable condition; that its trade has never been so slack; ble condition; that its trade has never been so slack; that nothing but a miracle can save the Ottoman Empire, and unfortunately the times for miracles are past.

The Augsburg Gazette of the 1st inst. has the following, of the 26th ult., from Vienna:—'It is thought that the Congress will hold a grand sitting this week, which will be attended by M. Ancillon. Resolutions will then be agreed to, sufficient of themselves to contradict the injur ons reports sent abroad by the French journals relative to the intentions of the Germanic Governments, and to the debates of the Congress.'

The Madrid Gazette of March 27, announces that The Madrid Gazette of March 27, announces that a Plymouth vessel, called the Express Packet, laden with 2,500 muskets, 200 barrels of cartridges, 180 barrels of gunpowder, and other warlike stores for Don Carlos, has been captured in Vigo Bay by the Government Guardacosta brig the Argus. The same Gazette contains two decrees, signed on the 26th, at Aranjuez, one of which orders the seizure of the temporal property of all the ecclesiastics who have quitted, or may quit, their churches to join the rebels; and the other commands the suppression of all convents the members of which shall have mixed themselves up with the plots of the Carlists, either by joining the ineurgeats, concealing ammunition or warlike stores, or assembling clandestine Juntas.

Portugale, Oporto, March 24, four o'clock of the carlists, and the content of the carlists, and the content of the Carlists, either by joining the ineurgeats, concealing ammunition or warlike stores, or assembling clandestine Juntas.

Portugal, Ororto, March 24, four o'clock p. m.

The governor of the city has just received a despatch of four lines from Admiral Napier, who says

"This morning I took Camina by surprise, and Viana will be shortly in our pessession." The Admiral landed there with about about 500 men, Admiral landed there with about about 500 men, brought from Lisbon in the steamers George the Commerce in the room of M. Thiers.

The separation of the estributions of the Ministers of the Interior and of Commerce will be hereafter determined by a special ordinance.

Vice-Admiral Count de Rigny, Deputy, and Ministers of the Marine and Colonies, is appointed Ministers of the Seless and mastered the place (where the feeling is strongly in favor of the constitutional cause) without opposition.—[Times.]

Before the arrival of M. de Sarmento it was resolved.

sox ; Norwich Bush.

protecting the frontier provinces from the menaces of Don Carlos and his ally of the House of Brayana—Instead of a mere inroad however, in quest of a fugitive pretender, the troops of the Queen of Spain, whether with or without a formal declaration of war, will assume an attitude directly hostile to one branch of the House of Braganza, and will act of course in perfect accordance with the views of the other. This was one of the leading objects of the mission of M. de Sarmente to Madrid, and it will not be completed to the antisfaction of men of liberal principles in either of the two kingdoms, until the whole peninsula is united in action, as it is already in interest, by the conclusion and ratification of a treaty of alliance offensive and defensive.

NAPLES, March 15.—The union of Prince Leopold, Viceroy of Sicily, and second brother of the King, with the Princess Mary, daughter of the King of the French, is no longer a matter of doubt: the marriage is to be celebrated in the course of this spring. Much hope is placed in the alliance, the young Princess having been educated under the immediate eye of Madame Adelaide, whose cultivated understanding and richly endewed mind are well known. In Palermo, which is to be the residence of the Royal pair, the news has created the livliest sensation, the young Princess having been born there. It is said that the Queen of the French will accompany her daughter here; at a later period NAPLES, March 15 .- The union of Prince born there. It is said that the Queen of the French will accompany her daughter here; at a later period the Dukes of Orleans and Nemours will also pay us a visit. This has given rise to a report that our Sovereign had changed his opinion relative to his distor, the Queen Regent of Spain. Interesting discoveries have been made at Terre del Annunziato; it is not yet known whether the temple being now cleared there, forms part of a grand Roman villa, or whether it be the commencement of a third buried city, like Herculaneum and Pompeii. Communication is now of ened with Greece. Vesuvins is sending forth slight eruptions. The Gazette quotes the funds at slight eruptions. The Gazette quotes the funds a Vienna, on the 22d inst.—Metallics, Five per cents., 98 1-16; Dito, Four per Cents., 88 7-16; Bank Ac. tions, 1,248.—[Angsburg Gazette.]

The Frankfort Gazette of the 29th ult. announces the death of the reigning Duke of Anhalt Bernburg, father of the Princess Frederick of Prussia.

Recent accounts from Napoli di Romania announce the death of the Greek Captain Colocotroni, in the prison in which he had been confined several months for having taken part with several other Chiefs in a conspiracy against the Government.

CASPER HAUSER-whose mysterious story and recent death by violence, caused so much interest, would appear by the annexed paragraph, to have e tailed destruction too upon his friend, patron, and biographer, the Jurist Fuerback.

According to the Hanoverian paper, the celebrated German Jurist, Fuerback, who died lately at Frankfort, during a journey undertaken for the benefit of his health, is now generally believed to have been poisoned. He was a kind patron of the unfertunate Casper Hauser, and the most zealous in his endea. vour to discover the murderers of that mysterio

youth.—[German Paper.]

Coat vs. Gold.—In a work lately published by a Spaniard, there is a comparison between the produ Spaniard, there is a comparison between the produce of the gold and silver mines in America and the coal mines in England, from which it appears that the gross value of the annual produce of the coal mines, which is 18,000,000 tons, amounts to 450,000,000 france, including the wages and other charges; whilst the produce of the gold and silver mines, including the same charges, is only 220,500,000 francs; showing a balance in favor of the coal mines of England, over the gold and silver mines of the New World, of no less a sum than 227,500,000 franca.

The Prince of Orange, if we are to credit the private correspondence of the Times, is still auspected of having made away with his wife's jewels, notwithstanding the man named Polari has confessed that he was the thief. It is said that Polari, who might have escaped by taking advantage of a technical blunder in the proceedings against him, appeared eager to be convicted; and now it is supposed he will be pardoned.

## SUMMARY.

The Georgetown Union, of the 23d inst., says"We are informed all the Pee Dee country is under water, and the injury to the rice field banks must, consequence, be very serious. The tides for severe days past, were higher than we recollect, without the agency of a heavy gale."

ABVOORTE OF BUSINAL

# mendamoni assenivery ratinori "AMERICAN RAILROAD JOURNAL, AND

FREDWING NEWS

the states that—
The Saturday morning, a very singular phenome
was observable from the river bank in front of
rosts. Those who are blessed with a very strong
the perceived, as they supposed, an immense numr of small birds in the air, but at such a height as
render even birds, in that situation, a curiosity.—
I happened to be passing, and in vain strained our
to discover the objects which others were conmplating with so much eagerness—by the help of
rtass, however, we at last perceived what was to
appearance an immense flock of small birds.—
hese objects passed away in millions before the all appearance an immense flock of small birds.—
These objects passed away in millions before the current of the light wind then blowing, but many deceaded lower than the rest, until easily discernable by the naked eye. At length they approached the carth, and preved to be maple leaves of as unusually large size. Many of them were picked up by the circums, and we have kept one. Whence they came, or how they got there, are questions which furnish a wide field for conjecture. One shread fellow observed, "that this must be the fall of the year in the mean, and that they certainly came from thence."

[From the Baltimere American of Saturday.]
Great Economic Expedition.—The circumstances thending the second splendid balloon ascension of tr. Mills, on Thursday afternoon, render it one of the most lengthened and interesting economic experiences. ever made. We mentioned in yesterday's ne particulars of his departure from Fairmount naper the particulars of his departure from Fairmount, and the apparent course he had taken; and are now enabled to supply some very interesting details of his long and rapid flight through the upper regions. His first course, after ascending, was about south east, but in a short time a counter current of air wafted him in an opposite or westerly direction, immediately over the city. His flight westward was only as far as a point above the long bridge over the Patapseo, when he encountered an adverse current, which carried him back again in an easterly course.

During all this time Mr. Mills continued to rise, by occasionally throwing out ballast. His compass now proved of no service to him, from the constant rotary motion which the balloon assumed, first swinging

ion which the balloon assumed, first swinging in one direction and then revolving in a contra assumed, first swinging The course of the balloon was eastwardly. forty minutes after five, Mr. M. encountered a lent snow storm, with the thermometer down to, Besides being obliged to endure its pelting he was subjected to a thorough drenching from the melted snow, which thawed as it fell on the balloon, and ran down from its neck to the car immediately under it. At the same time, also, a body of clouds eath him, and he lost sight of the earth algether. The storm, however, soon passed off, and, cept the drenching, left him unharmed.

At six o'clock he had attained his greatest elevant, which according to his estimate and the indica-

according to his estimate and the indicaa, which secording to his estimate and the indicans of the barometer, was upwards of two miles!—
e, thermometer was now down to 33 deg., or y one degree above freezing point. Mr. M. the while was going eastwardly, passing over the ht house at North Point, and ecross the expanse of Chesapeake Bay towards Kent County, on the stern Shore. He had now had recourse to his lives, and was gradually descending. After have passed into Kent County about half a mile, he despreparations to land, and had descended withabout dive hundred feet of the earth, when the floots was taken by a sudden and violont gust or twee taken by a sudden and violent gust or the of wind from the east. This was at 35 to after six In an instant after the wind struck

muses after six. In an instant after the wind struck be balloon, it was driven with the swiftness of an account the short space of seventeen minutes, was earried back to North Point, a distance of urteen miles scross the Chesapeake Bay!

Now as heretofore, Mr. M. proserved an undaund coloness and self possossion, and as he was recring across the waters with the fleetness of a wind itself, he discharged gas enough to bring in within two hundred feet of the surface. As the chors struck the water they rebounded with a rece that gave him a pretty distinct notion of the first over the land at North Point, the wind greatly safe, and at ten minutes before seven he effected as fe landing on the farm of Mr. Lynde Goodwin, on whom and his family he received every assisted in securing his balloon and apparatus in person of the securing his balloon and apparatus in person of the safe landing on the farm of Mr. Lynde Goodwin, on whom and his family he received every assistant of the safe landing on the farm of Mr. Lynde Goodwin, on whom and his family he received every assistant of the safe landing on the farm of Mr. Lynde Goodwin, on whom and his family he received every assistant of the safe landing on the farm of Mr. Lynde Goodwin, on whom and his family he received every assistant of the safe landing on the farm of Mr. Lynde Goodwin, on whom and his family he received every assistant of the safe landing on the farm of Mr. Lynde Goodwin, on whom and his family he received every assistant of the safe landing the safe land

terminated this most extraordinary social prosocuted for three hours, to the diseases or fifty miles, and for the greater part at an of one to two and a squarrer miles. After t, Mr. Mills,—who, it should be borne in mind, mg Mechanic of Baltimore—self taught, and

s Parnonenon.—The Montreal Herald of dependent alone on his own unnided efforts,—may sathat—

of the age.

The following table shows the observations made by Mr. Mills on the barometer and thermometer, at various periods puring his voyage. He left Fairmount at ten minutes before four four o'clock, P. M.

TABLE OF OBSERVATION.

TO E SHE IN SHAPE	ABLE OF UBSERV	ATION.
Time.	Barometer.	Thermometer.
h. min.	in. 10th.	deg.
3 57	20 6	63
4 15	25 8	59
4 25	24 2	STATE 54
4 40	24 1	51
4 55 5 10	23 9	43
5 10	23 9 23 4	'41
5 25	23 0	46
5 40	22 9	34
5 55	22 8	34
6	22 7	33
6 15	53 0	36
6 20	23 4	41
6 25	24 2	58
6 35	27 0	58

Appointments by the Governor, by and with the ad-

vice and consent of the Senate, May 3.

New York.—Stephen Allen, Benj. M. Brown, Saul Afley, Charles Dusenbury and William W. Fox, Water Commissioners for supplying the city of New York with pure and wholesome water.

NAVAL Examination.—The Board for the examination of Midshipmen whose watrants bear date prior to 1829, will convene at Beltimore on the first Monday of May next. Commodore Jacob Jones be the President of his Board.

AMERICAN LYCEUM .- The Fourth Annual Meeting of the Society opened yesterday morning in the United States District Court Room, east end of the New City Hall, or Old Alms House.

President Duer presided, and Wm. B. Kinney offi-

ciated as Secretary.

Forty-two Delegates were reported from different Lyceums and kindred associations in different States; among others we heard the names of Judge Clayton of Georgia, Hon. Wm. B. Calhoun and A. H. Everett of Massachusetts, Dr. Weeks, President of the New Jersey State Lycoum, &c. Among the invited guessare Don Tomas Gener, the President of the Cortes of Spain, the Marquis Aycnena, and other foreigners of distinction.

The morning sessions will commence at 9, and the afternoon at 4. The following subjects will be paricularly discussed :

1. The propriety of establishing central schools for the education of teachers. 2. The applicability of the monitorial system to

schools generally.

3. Corporal punishments.

4. The means of introducing the elements of na-

ural history into common education.

5. The propriety of teaching the ancient langua

Farmers' Bank, Trey,
Bank of Troy, do
New York State Bank, Albany,
Canal Bank,
do
Mechanics' and Farmera' Bank, do
Saratega County Bank,
Uleter County Bank,
Bank of Newburgh,
Catskill Bank, Catskill,
Farmera' Bank, All denomi nations received in deposite by the several Banks of this City. Farmers' Bank, do Westchester County Bank, Dutchess County Bank

Bank of Poughkeepsie.

And \$100 bills only of Troy City Bank.

100's of Merch's & Mechanics' Bank, Troy

100's and 50's of Com't Bank, Albany.
100's and 50's of Lansingburg Bank.
10's and upwards of Sussex Bank, Commercial Bank of Amboy, and Farmers and Merchants' Bank of Middle Pulat. 5's and opposite of State Bank, Elizabetha town; State Bank; New Brunswick; State Bank, Newark; State Bank, Mor-ria; Mechanical Bank, Newark; Newark Toils man king Insurance Co.; Farmers' Bank, Rahway; Orange Bank, county of Ea-sex; Norwich Bank.

Splendid Fire Engines.—We do not believe there is in the world a more magnificent thing of the sort, than the new Engine belonging to the Columbian Company, and which that spirited association have been exhibiting to their fellow citizens at the Engine House in the rear of St. Paul's Church, at the corner of Vesey and Church streets. The frame of this elegant machine is of very superior construction, and the ernamental appointments are of the costliest and the ernamental appointments are of the costliest and most tastoful description, as well indeed they may most tasteful description, as well indeed they may be, since some of our most meritorious artists have been employed in the work. The carving, which is the work of Watkins & Barry, Chatham equare, is done in mahogany, but so beautiful is the gilding and bronzing, (by Riley Beardman, 249 William st.) that it would be taken at once for solid metal. The plating is superb, and is by George Rudd, 549 Broadway; the casting by Wallace & Bunce, of Spruce street. The painting is by Woir, and of course is excellent, as well in design asin execution. The back is painted by John Quidor, 46 Canal street, and deserves great praise. The motto of the company—"Actuated by benevalence, impelled by emulation"—is not only beautifully engraved, but is much truer to the intent and pearer lence, impelled by emulation"—is not only beautifully engraved, but is much truer to the intent and nearer to the actual character of our gallant fire companies than most mottos are. The back scene, representing the parting of Otwa and Azula, from the curse of Talhoosin, is uncommonly fine. In short, the whole work reflects the highest credit, as well to the various artists who have been employed in its construction and decoration, as to the deserving Company of enterprizing young men to whom it belongs. pany of enterprizing young men to whom it belongs.

By the by, the whole existence of such a body as our firemen-volunteers as they are altogether in arduous, fatiguing, and often perilous duties, seems to us, in a degree, characteristic and peculiar.

In London, the firemen receive regular pay, and are a body apart. In Paris, they are a military corps -Supeurs et Pompiers. In our American cities they are young men of all pursuits, who spend time, labor, and money-much money sometimes, as the decorations of the engine above described will provefor the general good without any compensation to be named: for the exemption from jury duty and a portion of taxes is nothing in comparison with their sacrifices. Yet there is among these volunteers much skill, and probably more emulation, than in the paid servants or soldiers of other countries.

The Lost Mail.—A letter from the Post Office at Columbia, to the Post Master in this city, dated the 18th, says, "I have been informed that it was the Great Mail which was lost in the river on Sunday last. They have succeeded in getting the way mail out of the river."

THE LOST MAIL FOUND

Post Office, Camden, April, 21st, 1534, Mr. Micov:—Sir:—The large Augusta Mail-bag from this Office, that was lost in the river on Sunday Interesting reports and essays may be expected on various subjects.—[Daily Advertiser.]

The following useful Table of Bank Notes received in deposite at our Banks, was politely presented to us yesterday by the receiving Teller of the Phœpuix Bank.—[Gazette.]

Farmers' Bank, Trey,

Bank of Troy, do

Shipwreck.—The Boston Transcript says—"We have seen a letter from Captain Isaac Percival, of the schr. General Jackson, from this port, on a scaling voyage, dated at the Isle of France, in December last. He states that after leaving St. Satvador (no date given) he proceeded to the Island of St. Paul's, where he found twenty-one poor unfortunate beings, the only survivors of ninety-one men. Paul's, where he found twenty-one poor unfortunate beings, the only survivors of ninety-one men, women and children—crew and passengers of the English ship Lady Monro, cast away there. They had been ship wrecked ten days, but the bodies of the dead remained unburied. After performing the unpleasant task of committing the putrid bodies to the earth, he embarked with the survivors, on board his vessel, and carried them in safety to Port Louis, in the Isle of France. The Lady Monro was commanded by Capt. John Aiken. She sailed from Calcutts on the 27th June, and was wrecked on the night of the 11th October."

We have been informed that a young man, son of Mr. Brass, near Kingston, was attacked and devoured by wolves last week in the woods 14 miles from this place. The young man was connected with some Indians in the vicinity, and had been missing two or three days; search was made and part of his so and some other bones were found. Our informs

the report. The wolves are very numerous in woods this season.—[Kingston (U. C.) Herald.]

STEAMBOAT DISASTER.—A letter to the Postmaster of New York, from Columbus, Geo., anneunces that the mail boat "Star of the West," plying between New Orleans and Mobile, burst her boiler on the 18th ult., killed two persons and injured other -all in confusion, and no mail from New Orleans, says a bill from the Mobile Post Office.

ANOTHER .- The St. Louis Republican of 17th ult. says—"By an arrival from the Upper Mississippi, we learn that the Steamboat St. Louis, bound to Galess, has burst her boiler, by which 12 or 14 persons were killed."

The accident happened in attempting to pass the Des Moisnes Rapids. The stern of the boat struck upon a rock and careened her over—the water in the boilers of course running to the lower side. In this boilers of course running to the lower side. In this situation the boat remained for twenty minutes or half an hour, when she righted, and the sudden return of the water into the boiler produced an instantaneous explosion. The names of the sufferers are—Perkins, the Engineer, killed; Miss More, blown overboard and lost; Mrs. Moore and son, dangerously scalded, and three other children killed; Mrs. Luckett, from Mill Creek, Illinois, badly scalded; Isaac Mars. dying when the account left; three Germans dangerously scalded, and three other persons slightly injured. The St. Louis was chartered for the trip from New Orleans to Galens.

There seems to be a considerable excitement

There seems to be a considerable exciten among the lawyers, and in the newspapers of Cincin nati, on the subject of a Clerk to the Court. The grounds of the original dissensions are not stated,

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een l re-

le of 27th THE EARTHQUAKE IN PASTO.

[From the Journal of Commerce.]

PROVINCE OF PASTO, 5th FEBRUARY, 1834.

To the Honorable the Secretary of State for Home and

Foreign Affairs.

Siz.—In my communication of the 29th of January, No. 5, I promised, through the medium of your Excellency, to detail to the Supreme Government, the remarkable events occasioned by the Earthquake of the 20th of the same month; and I take the present occasion of falfilling my promise with reference to whatever information I have received from the Political Chiefs of Pasto and Tuquerres, touching this subject, in compliance with my directions to them.

The Executive ordered a survey to be made of all

ject, in compliance with my directions to them.

The Executive ordered a survey to be made of all the buildings which remained standing in the former city; and the result has been, that the ward of Francisco, is ascertained to have suffered least, since the greatest part of the houses in that district, although injured, may be nevertheless inhabited, because they are not bulged out, but the rest of the edifices in the city, which remain not destroyed, would be pulled down to their foundations, from their utter insecurity and their danger to the public; also the muther of the dead hitherto found is 51, and of the muthated 50. utilated 50.

The Temples and Cloisters of Menjas, of Merced, of San Augustin, of San Francisce, and Santa Domingo, must be raised anew from their foundations, as also the churches of San Sebastin and Santiago, the Public Bakery and Town gate.

To restore the cathedral to its former condition will be attended with the least expense of any of the churches; because the steeple and Frontispiece have alone fallen, and the fissures in the main walls are but trilling.

The villages in the neighbourhood of the city of Pasts, namely, Laguna, Mocondino, Buesaquillo, Pejundino, Puerres, Canchalla, Tamondino, Tongovito, Gualmatan, Pandiaco and Tescual, have all lost their churches, and the two first named towns lost some of their that hed houses and five of their inha-

Line parishes of Malatuy, Yacuanquer, Tambo, uiaco, Funes, and their neighbouring parishes, have between had their churches destroyed, their Plantates and tiled houses; but that lamentable loss of Phas not been incurred there, which befel Pasto at the parish of Sibundoy, whither I have sent two ommissioners to examine whether the origin of the

is positive, or else we should be inclined to doubt Earthquaks may be traced to one of its mountains or

The Commissioners report, that at the right of a large Lake in the District of Sibandoy, a small rising ground is observed, which has vomited from its bosom large pieces of rock, and that huge and profound caverns are in the neighborhood surrounding the Desert called Bordoncillo; that almost the half of this Desert has been precipitated into the bowels of the Earth and the other part mixed has the context and t and the other part raised as it were above the surface, till it had formed a mountain of similar origin, situate between Sibundoy and Aguarico, which in its formation overspread a great deal of the original soil. The Commissioners further state, that this mountain has, from the successive convulsions of the earth, mouldered away, covering the high roads, and causing the formation of immense marshes in the neighborhood; that portions of the earth, precipitated occasionally from its tops, fell into the bed of the river Balsayaco, and obstructed its course, the sudden and impetuous overflow of which destroyed the lands and houses of the people of Santiago, forcing its waters even as far as Putumayo, being increased by nearly ninety tributary streams; and they state that the church and ten houses have been reduced to ruins, and the remainder of the inhabitants have fled into a high mountain with all the inverse which they were able to some tain, with all the images which they were able to save from the wreck. Almost the whole of this Canton is overspread with large abysses, principally in the parish of Yacuanquer, where its numerous eruptions have fortunately not disturbed the course of the river Quitara.

The Churches of the Parishes Zuassuyes and Ipiales of the District of Tuquerres have been like-wise overthrown: and there considerable chasms in the territory of Guachucal, but Divine Providence has graciously been pleased to preserve its inhabi-

nts from other evils.

Motions of the earth are even still felt there, an but we notice among the prominent facts, stated in large capitals, the certificate of one of the Judges that an offer of one thousand dollars had been made to him for his influence in obtaining the office for the successful applicant. It must be a snug birth, and as the judge did not take the money, there is a handsome sum saved in the outfit.

The Earthquake in Pasto.

[From the Journal of Commerce.]

Motions of the earth are even still felt there, and its frightful growlings terrify us every instant, and large capitals, the certificate of one of the Judges the one as well as the other, are felt to proceed from that part of Moccos, whence they seem to originate; but up to this moment I have had no account of that unfortunate people. The heat of the sun has been moderated since morning, and rained heavily last night, which affords us much consolation, as it prognosticates approaching winter.

Hoping your Excellency will be pleased to communicate the above to the proper authority, may God

municate the above to the proper authority, may God preserve your Excellency many years.

Thomas Espana.

CIRCULAR Colombia, State of New Granada, Hom and Foreign Office, Bogota, February 11, 1834. O HIS EXCELLENCY

The Governor of the Province of
On the 20th of January last, at seven o'clock, in
the morning, the City of Pasto had been converted the morning, the City of rasto had been converted into ruins in an instant, by a violent earthquake, followed up by continual motions of the earth, and occasional severe shocks, which were felt even to the eve of the 22nd at the moment of the departure of the last post. More than fifty dead bodies, and as many others in an expiring state have been already extracted in the rubbish on the remote outskirts of the city; and a nameless multitude of victims are alextracted in the rubbish on the remote outskirts of the city; and a nameless multitude of victims are altogether buried beneath the wreck. The infection of the air and the absolute state of destitution, being without clothes or food, to which those are reduced, who have survived this lamentable catastrophe, in a season of extraordinary heat by day, and most rigorous frosts by night, give menacing forebedings of an approacaing plague. The desolving effects of the season, itself seorching up the crops of nipping them in their bud, threaten the surrounding country with a future famine. Similar scenes of misery and of death, have been exhibited amongst all the neighboring villages, and inust also have taken place in the other towns of the Province, situated to the South, and which are of most importance, because the movement of the Earth has taken its origin and direction, from the Volcanoes of the Province of Imbabura in the State of the Equator, and it is known likewise that this Earthquake has destroyed the City of Almaguer, which is in the meridian of the City of Popayas.

To events of such dismal and affecting nature, noither the Government nor the inhabitants of New Granada can be insensible or indifferent.

The President has given for transmission by the loyal and Industrious Pastusians. But this seamty supply being disproportionate to the pressing wants of the survivors, I am directed hereby to request

your Excellency will aclicit other gre ble contributions from the patriotism and ply of the inhabitants of your Frevince, we persuaded, will not be deaf to the cries of humanity. In the following parts of the Propayan, a subscription has been collect sufferers, to which almost all have contributed. a prompt and generous liberality: and Passe will quickly re-ascend from its ruins, if all the other dis-tricts of the Lepublic but imitate this landable ex-ample, in fulfilling a solemn and sacred duty.

A good Story.—"One seldom hears a good story now-a-days: the following is not bad. A year or two ago there came to the Lion, at two ago there came to the Lion, at a year or two ago there came to the Lion, at a year or two ago there came to the Lion, at a year or two ago there came to the Lion, at a year or two ago there are two you got, rump steak, eh? oyster sauce, eh? bottle of sherry, good, eh? send em up. Dinner was served, the wine despatched, and a glass of brandy and water comfortably settled the dinner.

Waiter, said the traveller, cooly and dispassionately wiping his mouth with a napkin, Waiter I am awkwardly situated.

awkwardly situated. ' expecting a love letter.'

'I cannot pay you.'
Sorry for that, sir; I must call master.'—(Enter landlord.)

'My good sir, you see this is rather awkward— good dinner! cpital! famous wine! glorious grog! but no cash

The landlord looked black.
Pay next time—often come this read—done no.
thing to day—good house yours—a great deal in the bill way.'
The landford looked blue.

'No difference to you, of course?—pleasant house here—pleaty of business—happy to take your order—long credit—good bill.'
'There is my bill, sir—prompt payment—I pay as

Ah, but I must go without paying. Let us see— bill 17s. 6d. let us have a pint of sherry together— make it up a pound—that will square it.'

'Sir, I say you are a swindler, sir!—I will have

'Sir, I tell you I will call and pay you in three reeks from this time exactly, for I shall have to pas this road again?

None of that, sir-it won't do with me pay my oney, or I'll kick you out.'
The stranger remonstrated—the landlord kicked

The stranger him out.

'You will repent of this,' said he stranger.

The landlord did repent it. Three weeks af that day, punctual to his word the stranger retered the Lion Inn—the landlord looked very fe ish—the stranger smiled, and held out his hand the stranger smiled, and held out his hand the come to pay you my score, as I promised.

ish—the stranger smiled, and held out his hand—, I've come to pay you my score, as I promised."

The landlord made a thousand apologies for his rudeness—'Se many swindlers about, there's no knowing, whom to trust. Hoped the gentleman would pardon him. 'Never mind, landlord; but come, let's have some dinner together—let us be friends. What have you got, ch?—a couple of boiled fowls, ch?—nice little nam of your own outing? good!—greens from your own garden? famous!—bottle of sherry and two bottles of portwaiter, this is excellent.'

Dianer passed over—the landlord hobbed and

Cholers in the West.—The New Orleans Rec, of the 24th ult. says: "The Cholers had broken out on board the steamer Philadelphia.—She landed a detachment of U. S. troops at Montgomery's Point on Sunday morning, the commanding officer of which, stated to our informant that six of his corps had been attacked with the disease, one of whom had died; two others were supposed to be dangerous.—There had been a few cases among the passengers of the boat, one of whom had died.—[Charleston Patriot.]

In our paper of yesterday morning, we stated that the "Etna" of H. B. Majesty's navy, had impressed two men from the American ship "Rosanna," of Boston, commanded by Capt. George H. Jennings, while lying in port Praya, St. Jago, although no other sailors could be obtained in that port. It may not therefore be amiss to state, that by a letter dated 17th Febult. we learn that Capt. J. protested against him in the usual form: upon this the 1st lieutenant of the "Etna" challenged him to fight. On the American captain's offering the terms on which he would accept the challenge, namely, to fight across a table with

the challenge, namely, to fight across a table with pistols, the British officer declined.

The commander of the "Rosanna" was presented with a handsome silver set by his passengers, while lying in the said port, in testimony of their approval of his conduct during the voyage from Havanna.—

[Daily Adv.] [Daily Adv.]

Terns.—This country is likely to be convulsed in civil war, in consequence of the imprisonment of Col. Austin, founder of Austin's colony. The Colonel is accused by the Mexican government of having excited the colony to insurrection, and driving away the Mexican troops. The Colonel is now undergoing his trial in the city of Mexico, and fears are entertained for his life. Should he be executed, his death will be revenged, and a civil war must be the result.—[N. O. Mer. Adv.]

List of Subscribers to the Railroad Journal
who have paid in advance to Jan. 1, 1835,
—continued from April 19, 1834.

T. H. Rochester, Rochester, N. Y.
E. & J. A. Sehr, Philadelphia, Pa.
B. Woodward, Abbyville, Ohio
C. J. Blauvelt, Blauvelville, N. Y.
Jas. McCawley, Marksville, La.
P. G. Voorhies, Marksville, La.
J. W. Lincoln, Worcester, Mass.

W. Lincoln, Worcester, Mass.

A. B. Linton, Athens, Geo. John Randall, Jr., Ithaca, N. Y. T. Bedell, Philadelphia, Pa.

TO WASEIND & DURFEE, of Paimyra, Manuschurers of Railread Rope, having removed their establishments Hudson, under the rame of Durfee, May & Co. offer to apply Rope of any required length (without spike) for in-lines planes of Railreas at the shortest notice, and deliver here it as y of the principal cities in the United States. As to be quality of Rope, the public are referred to J. B. Jervis, Eng. d. & H. R. R. Co., Albany: or James Archibald, Engineer Indeen and Delaware Canal and Railread Company, Carbon als, Luzerne county, Pennsylvania.

Hudson, Columbia county, New-York, January 29, 1833.

### RAILWAY IRON.

Ninety-five tone of 1 inch by		Flat Bars in lengths of 14 to 15 feet counter sunk
48 do, 11 do.	do.	holes, endscut at
soon expected.	do.	grees with spli- cing plates, nails

Ligo Rails of 36 lbs. per yard, with the requisite

rheels.

17 24, 23, 24, 3, 34, 34, and 34 inches diameter for Rai and Locumotives of patent from.

bove will be sold tree of duty, to State Governmen sperated Governments, and the Drawback taken A. & G. RALSTON.

9 South Front stress, Philadelphia.

PO IRON MANUFACTURE ItS AND OWNERS
OF IRON ORE BEDS.
JOSEPH GOULDING, of Keeseville, Essex county, N. Y.,
see invented and patented a Magnetic Separating Machine, for
sparating Iron Ore from the extraneous matter usually found
a canaction with it; and he begs leave to recommend it to the
apsecial notice of owners of Ore Beds as possessing qualities of
treat impertance, as by the use of it many ore beds can be made
very valuable, it being applicable in all cases when the Ore is
assessic.

LOCOMOTIVE ENGINES.

LOCOMOTIVE ENGINES.

THE AMERICAN STEAM CARRIAGECOMPANY, OF PHILADELPHIA, respectfully inform the public, and especially Railroad and Transportation Companies, that they have become sole proprietors of certain improvements in the construction of Locomotive Engines and other railway carriages, secured to Col. Stephen H. Long, of the United States Engineers, by letters patent from the United States, and that they are prepared to execute any orders for the construction of Locomotive Engines, Tenders, &c. with which they may be favored, and pledge themselves to a punctual compliance with any engagements they may make in reference to this line of business.

business.

They have already in their possession the requisite apparaus for the construction of three classes of engines, viz. engines weighing four, five, and six tons.

The engines made by them will be warranted to travel at the
following rates of speed, vm. a six ton engine at a speed of 15
miles per hour; a five ton engine at a speed of 18 miles per
hour; a four ton engine at a speed of 121 miles per hour.
Their performance in other respects will be warranted to equal
that of the best English engines of the same class, with respect
not only to their efficiency in the conveyance of burthens, but
to their durability, and the cheapness and facility of their repairs

pairs

The engines will be adapted to the use of a plue wood, coke, or any other fuel hitherto used

minglines.

The terms shall be quite as favorable, and even more mode in the terms shall be quite as favorable, and even more mode are class on the same class can be procured from abroad.

All orders for engines, &c. and other communications in reference to the subject, will be addressed to the subscriber, in the lity of Philadelphia, and shall receive prompt attention.

By order of the Company,

WILLIAM NORRIS, Secretary.

December 2d, 1433.

For further information on this subject see No. 49, pag 72 of this Jouenal.

#### RAILROAD TURNOUTS, REVOLVING PLATFORMS AND SIDELINGS.

PLATFORMS AND SIDELINGS.

The subscriber having been for some years engaged in constructing turnouts, and inserting the necessary switches and fixtures appertaining to the same, on the Baltimore and Ohio Railroad,—and as those works on that road will be shortly completed, he is desirous of being employed by any Railroad Company requiring work of the above description.

He will either contract at a fixed price to execute the work, he providing all the necessary materials and fixtures, or otherwise,—or he will engage himself at a stated salary.

In relation to his abilities and general character he begs to refer any Company, disposed to engage him, to the Baltimore and Ohio Railroad Company.

Letters can be addressed to him at the Office of Construction Baltimore and Ohio Railroad, Baltimore.

REUBEN ALER.

SURVEYORS' INSTRUMENTS.
Compasses of various sizes and of superior quality
warranted.
Leveling Instruments, large and small sizes, with high magnifying powers with glasses made by Troughton, together with
a large assortment of Engineering Instruments, manufactures
and sold by E. & G. W. BLUNT, 154 Water street,
J31 6t corper of Maidenlane.

ENGINEERING AND SURVEYING
INSTRUMENTS.
The subscriber manufactures all kinds of Instruments in his profession, warranted equal, if not superior, in principles of construction and workmanship to any imported or manufactured is the United States; several of which are entirely new; among which are an improved Compass, with a Telescope attached, by which angles can be taken with or without the use of the needle, with perfect accuracy—also, a Railroad Goniometer, with two Telescopes—and a Levelling Instrument, with a Goniometer attached, particularly adapted to Railroad purposes.

MM. J. YOUNG,
Mathematical Instrument Maker, No. 9 Dock street, Philadelphia.

The fellowing recommendations are respectfully supmitted.

Mathematical Instrument Maker, No. 9 Dock street, Philadelphia.

The following recommendations are respectfully submitted to Engineers, Surveyors, and others interested.

Baltimore, 1832.

In reply to thy inquiries respecting the instruments manufactured by thee, now in use or the Ba'timore and Ohio Railroad. I cheerfully furnish thee with the following information. The whole number of Levels now in pessession of the department of construction of thy make is seven. The whole number of the "Improved Compass" is eight. These are all exclusive of the number in the service of the Engineer and Graduation Department.

Both Levels and Compasses are in good repair. They have in fact needed but little repairs, except from accidents to which all instruments of the kind are liable.

I have found that thy patterns for the levels and compasses have been preferred by my assistants generally, to any other description of Goniometer that we have yet tried in laying the rails on this Road.

This instrument, more recently improved with a reversing telescope, in place of the vane sights, leaves the engineer scarcely any thing to desire in the formation or convenence of the Compass. It is indeed the most complexely adapted to later all angles of any simple and cheave instrument that I have yet seen, and I cannot but believe it will be preferred to all other now in use for laying appreciated for common surveying.

Respectfully thy friend,

JAMES P. STABLER, Superintendant of Construction of Baltimore and Ohio Railroad.

Philadelphia, February, 1933.

Haviag for the last two vears made constant use of Mr.

Philadelphia, February, 1833.

Having for the last two years made constant use of Mr.

Young's "Patent Improved Compase," I can safely say I be
lieve it to be much superior to any other instrument of the kind,
now in use, and as such most cheerfully recommend it to Eagineers and Surveyers.

E. H. Gille, Givil Engineer.

Greats and Surveyers.

Greatown, February, 1838.

For a year past I have used instruments made by Mr. W. J. Young, of "hiladelphia, it which he has combined the properties of a Theodolite with the common Level.

I consider these instruments asimirably calculated for layin our Saliroada, and can recommend them to the notice of Engineers as preferable to any others for that purpose.

HENRY B. CAMPBELL, Eng. Philad., mt Iy

Germant, and Norriet. Railroad

STEPHENSON,

rior etyle of Passenger Cars for Railred

Builder of a superior etyle of Passenger Cers for Railroads
No. 264 Elizabeth street, near Bloocker street,
New-York.

The RAILROAD COMPANIES would do well to examin
these Cars; a specimen of which may be seen on that part o
the New-York and Harlmm Railroad, now in operation.

J 25 tr

#### RAILROAD CAR WHEELS, BOXES AND AND OTHER RAILROAD CASTINGS

Also. AXLES furnished and fitted to wheels complete at the Jefferson Cotton and Wool Machine Factory and Foundry. Paterson, N. J. All orders addressed to the subscribers at Paterson, or 60 Wall street, New York, will be promptly attended to. Also, CAR SPRINGS.

Also, Flange Tires tursed complete.

J8 ROGERS, KETCHUM & GROSVENOR.

### NOVELTY WORKS,

ROVELTY WORKS,
Near Dry Dock, Now-York.

THOMAS B. STILLMAN, Manufacturer of Steam
Engines, Boilers, Railroad and Mill Work, Lathes, Presses,
and other Machinery. Also, Dr. Nott's Patent Tubular Boilers, which are warranted, for safety and economy, to be superior to any thing of the kind heretefore used. The fullest assurance is given that work shall be done well, and on reasonable terms. A share of public patronage is respectfully solicited.

m18



INSTRUMENTS.

# SURVEYING AND NAUTICAL INSTRUMENT MANUFACTORY.

MANUFACTORY.

13 F.WIN & HEARTTE, at the sign of the Quadrant, No. 53 South street, ene door north of the Union Hotel, Baltimore, beg leave to inform their friends and the public, especially Engineers, that they continue to manufacture to order and keep for sale every description of instruments in the above branches, which they can furnish at the shortest notice, and on fair terms. Instruments repaired fwith care and promptitude. For proof of the high estimation on which their Surveying instruments are held, they respectfully beg leave to tender to the public perusal, the following certificates from gentlemen of distinguished scientific attainments.

To Ewin & Heartta.—Agreeably to your request made some

the public perusal, the following certificates from gentlemen of distinguished scientific attainments.

To Ewin & Heartte.—Agreeably to your request made some months since, a now offer you my opinion of the instruments made at your establishment, for the Baltimora and Olio Railroad Company. This opinion would have been given at a much earlier period, but was intentionally delayed, in order to afford a longer time for the trial of the Lastraments, so that I could speak with the greater confidence of their merits, if such they should be found to possess.

It is with much pleasure I can now state that notwithstanding the Instruments in the service procured from our northern cities are considered good, I have a decided preference for those manufactured by you. Of the whole number manufactured for the Department of Construction, to wit: five Levels, and five of the Compasses, not one has required any repairs within the last twelve months, except from the occasional imperiection of a serow, or from accidents, to which all Instruments are liable.

They possess a firmness and stability, and at the same time a neatness and beauty of execution, which reflect much credit on the artists engaged in their construction.

I can with confidence recomment them as being worthy the notice of Companies engaged in Internal Improvements, who may require Instruments of superior workmanship,

JAMES P. STABLER,

Superintendent of Construction of the Baltimore and Ohio Railroad.

Superintendent of Construction of the Baltimore and Railro

I have examined with care several Engineers instruments of your Manufacture, partisularly Spirit levels, and surveyor's Compasses; and take pleasure in expressing my opinion of the excellence of the workmanship. The parts of the levels appeared well proportiened to secure facility is use, and accuracy and permanency in adjustments.

These instruments seemed to me to possess all the modern improvement of construction, of which so many have been made within these few years; and I have no doubt but they will give every satisfaction when used is the field.

WILLIAM HOWARD, U. 5. Civil Eaginger.

To Mesers Ewin and Heartte—As you have asked me to gi Baltimore, May 1st, 1833 my objects Ewin and Hearite—As you have asked meto give my opinion of the merits of those instruments of your manufacture which I have either used or examined, I cheerfully state that as far as my opportunities of my becoming aquained with their qualities have gone. I have great reason to think well of the skill displayed in their construction. The neatness of their workmanship has been the subject of frequent remark by my self, and of the accuracy of their performance I have received estimatory assurance from others, whose opinion I respect, and who have had them for a geomiderable time in use. The efforts you have made since your establishment in this city, to relieve us of the uccessity of sending elsewhere for what we may want in our line, deserve the unqualified approbation and our warm encouragement. Wishing you all the success which your enterprize so well merits, I remain, yours, &c.

E. H. LATROBE,
Civil Engineeris the service of the Baltimore and Ohio Raidj road Company.

A number of other letters are in our possesion and might be introduced, but are too leagthy. We should be happy to submit them, upon application, to any person desireus of persong the same.